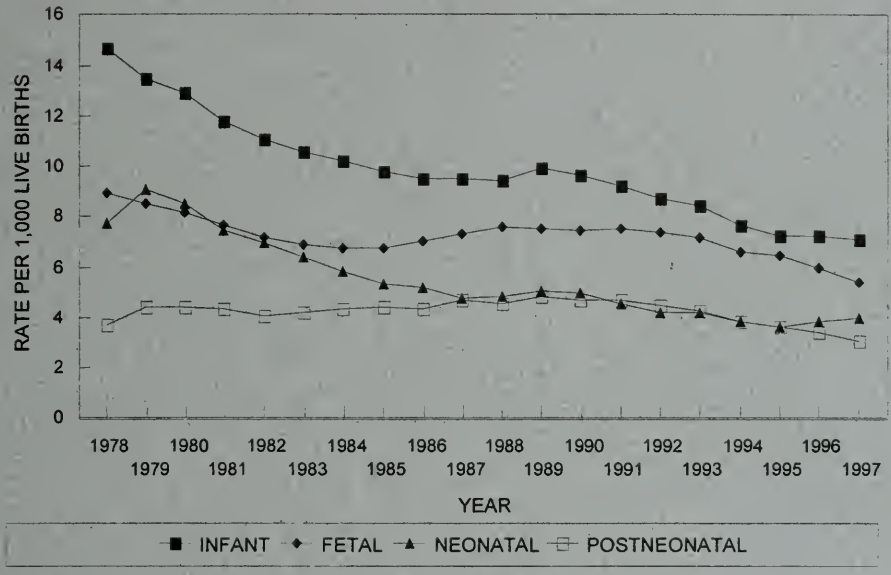
S
312.09786
H2m
1997

STATE DOCUMENTS COLLECTION
MONTANA STATE LIBRARY

1997

MONTANA

VITAL STATISTICS



PLEASE RETURN

MONTANA

Department of Public Health & Human Services

MONTANA STATE LIBRARY
3 0864 0014 2000 2

VITAL STATISTICS BUREAU

"It is the mission of the vital statistics bureau to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law."

The Vital Statistics Bureau:

- Maintains a permanent public record of each birth, death, and fetal death that has occurred in Montana since 1907.
- Maintains statistical information and state-wide indexes for each marriage and marital termination that has occurred in Montana since July 1943.
- Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.
- Directs and monitors the functions of 56 local registrars to assure state-wide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.
- Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.
- Prepares and maintains computer files of State birth, death, marriage, divorce, induced abortion and reportable cancer data and monitors these files for data quality.
- Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.
- Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.
- Maintains a registry of reportable cancers diagnosed in Montana since 1979 for statistical studies and yearly follow-up of cancer patients and provides technical assistance to hospital cancer registries. The Central Tumor Registry:
    - Provides centralized cancer surveillance in Montana by collecting reports of cancer diagnosis and treatment from Montana hospitals (since 1979) and independent clinical laboratories (since 1985).
    - Assists in cancer care delivery by providing treatment and survival results.
    - Facilitates annual, lifetime follow-up for each cancer patient, promotes early detection of metastatic disease, second primary cancers, and some cancer recurrences by sending yearly patient follow-up reminders to physicians, and matches patient records with death certificates to calculate accurate survival rates.

The Honorable Marc Racicot
Governor of Montana

Laurie Ekanger
Director
Montana Department of Public Health and Human Services

November, 1998

ACKNOWLEDGMENTS

This report was prepared by the Vital Statistics Bureau, Operations and Technology Division, Department of Public Health and Human Services.

Special appreciation is extended to following bureau staff members:

Bruce Schwartz, Research Specialist, for management of report preparation,

and to

Kathy Hartung, Mortality Statistician

Kathy Thompson, Statistician and Data Acquisition Supervisor

Debbi Hellhake, Central Tumor Registry Manager

Tom Fenton, Statistical Technician

TABLE OF CONTENTS

TABLE OF FIGURES iv

INTRODUCTION 1

TECHNICAL OVERVIEW 5
- DATA SOURCES AND LIMITATIONS 5
- DATA TABULATION AND PRESENTATION 8
- DEFINITIONS 9

NATALITY 15
- MOTHER'S AGE, RACE, AND MARITAL STATUS 16
- METHOD OF DELIVERY. 20
- BIRTHWEIGHT. 21
- BIRTH OUTCOMES. 23

MORTALITY 26
- FETAL, INFANT, AND MATERNAL DEATHS 27
- AGE-SPECIFIC AND AGE ADJUSTED DEATH RATES 29
- AGE, SEX, AND RACE 34
- YEARS OF POTENTIAL LIFE LOST 43

CANCER INCIDENCE AND PREVALENCE 48
- CANCER INCIDENCE BY PRIMARY SITE 48
- PROSTATE CANCER 49
- BREAST CANCER 50
- LUNG CANCER 52
- COLORECTAL CANCER 53

INDUCED ABORTIONS 55

MARRIAGE 56

MARITAL TERMINATIONS 57

LIST OF DETAILED TABLES 97-I

1997 VITAL STATISTICS TABLES 97-1

TABLE OF FIGURES

Figure 1 - CLASSIFICATION (ICD-9) CODES FOR UNDERLYING CAUSES OF
- DEATH 9

Figure 2 - RESIDENT BIRTH RATES
- MONTANA AND THE UNITED STATES, 1963 -1997 15

Figure 3 - PERCENT OF BIRTHS OUTSIDE HOSPITALS
- MONTANA OCCURRENCES, 1979 -1997 16

Figure 4 - PERCENT OF BIRTHS TO UNMARRIED MOTHERS
- MONTANA AND U.S. RESIDENTS, 1979 - 1997 17

Figure 5 - ALL MOTHERS' AGE IN YEARS BY RACE AND MARITAL STATUS
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 - 1997 18

Figure 6 - FIRST-TIME MOTHERS' AGE IN YEARS BY RACE AND MARITAL -- -
STATUS
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 -1997 19

Figure 7 - FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
- BY AGE OF MOTHER AND METHOD OF DELIVERY
- MONTANA RESIDENTS, 1989 -1997 20

Figure 8 - CHILD'S BIRTHWEIGHT BY RACE
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 -1997 21

Figure 9 - CHILD'S BIRTHWEIGHT BY PLURALITY
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 -1997 22

Figure 10 - CHILD'S BIRTHWEIGHT BY AGE OF MOTHER
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 -1997 22

Figure 11 - CHILD'S BIRTHWEIGHT BY SURVIVAL STATUS
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 -1997 23

Figure 12 - BIRTHWEIGHTS FOR INFANTS WHO SURVIVED
- THE CALENDAR YEAR OF THEIR BIRTH
- MONTANA RESIDENTS, 1989 -1997 25

Figure 13 - BIRTHWEIGHTS FOR INFANTS WHO DID NOT SURVIVE
- THE CALENDAR YEAR OF THEIR BIRTH
- MONTANA RESIDENTS, 1989 -1997 25

Figure 14 - RESIDENT CRUDE DEATH RATES
- MONTANA AND THE UNITED STATES, 1963 -1997 26

Figure 15 - AGE AT DEATH IN YEARS BY SEX AND RACE
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989 -1997 27

Figure 16 - FIVE-YEAR INFANT MORTALITY RATES AND
- FETAL MORTALITY RATIOS
- MONTANA RESIDENTS, 1978 -1997 28

Figure 17 - AGE-ADJUSTED DEATH RATES FOR HEART DISEASE
- MONTANA AND U.S. RESIDENTS, 1989 -1997 30

Figure 18 - AGE-ADJUSTED DEATH RATES FOR CANCER
- MONTANA AND U.S. RESIDENTS, 1989 -1997 30

Figure 19 - AGE-ADJUSTED DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
- MONTANA AND U.S. RESIDENTS, 1989 -1997 31

Figure 20 - AGE-ADJUSTED DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
- MONTANA AND U.S. RESIDENTS, 1989 -1997 31

Figure 21 - AGE-ADJUSTED DEATH RATES FOR SUICIDE
- MONTANA AND U.S. RESIDENTS, 1989 -1997 32

Figure 22 - AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES FOR HEART DISEASE
- MONTANA RESIDENTS, 1989 -1997 33

Figure 23 - AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES FOR CANCER
- MONTANA RESIDENTS, 1989 -1997 34

Figure 24 - PERCENT DISTRIBUTION OF DEATHS
- BY SELECTED CAUSE, RACE, AND SEX
- MONTANA RESIDENTS, 1997 35

Figure 25 - LEADING CAUSES OF DEATH BY AGE
- MONTANA RESIDENTS, 1997 37-42

Figure 26 - FREQUENCY OF DEATH BY CAUSE OF DEATH
- MONTANA RESIDENTS, 1997 44

Figure 27 - TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65
- BY CAUSE OF DEATH
- MONTANA RESIDENTS, 1997 44

Figure 28 - AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65
- BY CAUSE OF DEATH
- MONTANA RESIDENTS, 1997 45

Figure 29 - AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65
- BY CAUSE OF DEATH
- CENTRAL TENDENCY AND DISPERSION
- MONTANA RESIDENTS, 1989-1997 46

Figure 30 - DIAGNOSIS OF PROSTATE CANCER
- MONTANA RESIDENTS, 1988-1997 49

Figure 31 - FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS
- FOR PROSTRATE CANCER
- MONTANA AND THE UNITED STATES, 1988-1997 50

Figure 32 - DIAGNOSIS OF BREAST CANCER
- MONTANA RESIDENTS, 1988-1997 51

Figure 33 - FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS
- FOR BREAST CANCER
- MONTANA AND THE UNITED STATES, 1988-1997 51

Figure 34 - DIAGNOSIS OF LUNG CANCER
- MONTANA RESIDENTS, 1988-1997 52

Figure 35 - FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS
- FOR LUNG CANCER
- MONTANA AND THE UNITED STATES, 1988-1997 53

Figure 36 - DIAGNOSIS OF COLORECTAL CANCER
- MONTANA RESIDENTS, 1988-1997 53

Figure 37 - FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS
- FOR COLORECTAL CANCER
- MONTANA AND THE UNITED STATES, 1988-1997 54

Figure 38 - MARRIAGE RATES
- MONTANA AND THE UNITED STATES, 1963-1997 56

Figure 39 - MARITAL TERMINATION RATES
- MONTANA AND THE UNITED STATES, 1963-1997 57

INTRODUCTION

This report was prepared by the Vital Statistics Bureau (VSB) of the Montana Department of Public Health and Human Services (DPHHS). It provides a reference to some of the more frequently used vital statistics for Montana. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. More detailed tabulations and analyses are available on request, as time and resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 15 through 57. The vital statistics tables for 1997 appear on pages 97-1 through 97-66. Where space permits, data for one or more prior years are provided for comparison. Tables 1, 3, 4, 29, and 30 provide frequencies and statistics on key vital events. Table 2 shows Montana's estimated resident population by county. Tables 5 through 8 present data on natality (births). Mortality (death) data are presented in Tables 9 through 16. Tables 17 through 19A provide data on induced abortions. Marriages and marital terminations are covered by Tables 20 through 28. Table 31 contains a county-level summary of reportable diseases. Tables 32 through 34 provide information on the incidence of cancer.

Records collected by the VSB provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death; transcripts of information on marriage, marital termination, and legally induced abortions; and reports of cancer cases. Any other source of data — such as the U.S. Bureau of the Census or the Communicable Disease Program of DPHHS — is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. The person responsible for filing death or fetal death certificates is the undertaker, funeral director, or other person in charge of interment or removal of the body from the place of death. The certificate must be filed with the county's local registrar no later than ten days after the date of death. A fetal death certificate must be filed if the fetus weighed 350 grams or more or, if the weight is unknown, the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law defines "reportable events" -- as distinguished from registered events -- as marriage, marital termination, and diagnosis and/or treatment of a "reportable tumor." Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. Hospitals, independent laboratories, and health care practitioners and facilities providing cancer treatment or diagnostic services are responsible for reporting within six months of the initial treatment or diagnosis.

The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. The facility performing an induced abortion is responsible for its reporting within 30 days.

The VSB designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and county government agencies. The state collects the following statistical data on these events:

NATALITY

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number, dates, and results of prior pregnancies; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy — medical conditions, tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; whether the infant was transferred to another hospital; and any abnormal conditions or congenital anomalies.

MORTALITY

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.
- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded.

FETAL MORTALITY

- Date, hour, and place of delivery.
- Age, race, ancestry, and education, of parents; place of residence and marital status of the mother.
- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.
- Significant conditions of the mother, including number, dates, and results of prior pregnancies; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy — marital status, medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage, if applicable.

MARITAL TERMINATION

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.

- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.

- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

REPORTABLE NEOPLASMS

- Reportable neoplasms: (1) all malignant cancers (including in-situ) except basal- and squamous-cell carcinomas of the skin if diagnosed at a localized stage, unless the primary site is of the eyelid, lip, anus, male genital organs, or the female genital organs; (2) all benign tumors of the brain, pineal gland, and pituitary gland; and (3) carcinoid tumors.

- Date and place of diagnosis and/or first treatment.

- Patient's race, sex, marital status, age at diagnosis, date and place of birth, and place of residence.

- Primary cancer site; laterality; any other primary tumors; method of confirmation; histology, grade, stage at diagnosis, size of tumor, and lymph node examination.

- Follow-up information including summary of therapies, patient status, tumor status, recurrence information, and cause of death, if applicable.

The original certificates of birth, death, and fetal death, as well as the reports of abortion, marriage, divorce, and cancer are forwarded to the Vital Statistics Bureau. Birth, death and fetal death certificates are permanently filed with and maintained by the VSB. The bureau maintains electronic records of all events in the Montana's Vital Statistics System.

Bureau staff check all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes 1997 vital records and transcripts that were received before June 30, 1998. The number of records received after June 30 is small, and since the use of this "cut off" date is consistent, the effect of omitted data on the trends and patterns discussed is likely to be very small. Because reporting of cancer diagnosis and treatment is an ongoing process, there is no cut off date for such data.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births and fetal deaths, the place of residence of the child is the usual state and county of residence of the mother.

Residence data for births, deaths, and fetal deaths occurring out-of-state are available because of a cooperative, interstate transcript-exchange agreement. All other states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in Table 30 are by Montana occurrence. The resident abortion statistics in that table are incomplete because only in-state occurrences are tabulated.

Reports of cancer diagnoses and treatment are received from 13 other states. While incidence data in Table 34 are listed by the patient's county of residence, the data are incomplete and their use to calculate population-based rates (i.e. incidence as a proportion of resident population) is potentially misleading. Such statistics must be interpreted with caution.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations, and tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably — thus contributing to the fatal outcome — but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	Due to	© *primary cancer of lung*	*1 year*

Part II. Other significant conditions
Hypertensive cardiovascular disease

The causes of death in this report represent the underlying cause derived from the information provided on Parts I and II. In the above example, that cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Ninth Revision, World Health Organization, Geneva, 1977 (ICD-9). The nosologist — the person responsible for coding cause of death — develops an underlying cause using ICD-9 codes and coding procedures developed for nationwide use by the National Center for Health Statistics in the U.S. Department of Health and Human Services, Public Health Services, Center for Disease Control and Prevention (CDC). The ICD-9 code for the death in the illustration above would be 162.9, "malignant neoplasm of bronchus and lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, the ICD-9 external code (E-code) is used. This code indicates the nature of the event rather than the nature of the injury. Thus code 810.1 would indicate that the decedent was a passenger in a motor vehicle other than a motorcycle who was in a traffic accident involving a collision with a train. The same code used as a nature of injury code (N-code) would mean a closed fracture of the clavicle.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by the National Center for Health Statistics (NCHS).

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements,

residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All crude rates per 1,000 or per 100,000 population in this report are based on population estimates provided by the U. S. Bureau of the Census (Census Bureau). The Census Bureau used the Tax Return method (formerly, the Administrative Records Method) to arrive at population estimates.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it may not reflect the same definitions of racial groups from one record to the next.

For births and fetal deaths, the race of the infant or fetus is defined as the reported race of the mother. This is the NCHS definition of infant or fetal race and is used so Montana statistics may be compared to U.S. regional and national statistics.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category, which appears in Tables 4, 9, 13, and 14, is made up of all individuals not classified in the identified group(s) shown in the table. Those for whom race is not reported are therefore included as "Other." According to the 1990 Census, more than 90% of Montana's population at the time was white. Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception or any time in between." "Unmarried" indicates that the mother was not married at any time during the pregnancy.

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states — or counties — with substantial populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with their relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might, for example, lead to mistaken conclusions about trends in the county's birth rate.

When the number of events is displayed, the occurrence of small numbers is obvious. When rates or percentages are based on small numbers of events, that fact may not be immediately apparent. Rates or trends based on small numbers — less than 100 — must be interpreted with caution. In no case can meaningful conclusions be drawn based on a frequency of less than five. This report provides the frequency as well as the rate in all tables where small numbers may appear.

Similarly, percentages that are based on small totals can be misleading. For example, if there were ten births in a county and three of the new mothers were 18 or 19, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably not useful for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in small numbers. An example is the five-year infant mortality rate shown in Table 13 on page 97-29. However, the VSB has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

The birth, death, fetal death, and abortion data in this report are tabulated for Montana residents by place of residence and for all events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to out-of-state residents. Births, deaths and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on abortions include only in-state occurrences.

CAUSE OF DEATH

The discussion and tables in this report show the underlying cause-of-death (ICD-9) codes grouped into named diseases and conditions. These groupings are those that the NCHS and most public health professionals use. In many cases, the ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name. **Figure 1**, on the following page, shows how ICD-9 codes are grouped into cause-of-death conditions and diseases when the codes are not shown in the table. Causes identified by single, three-digit ICD-9 codes appear in Table 9 beginning on page 97-9; therefore, those causes are not listed here.

Figure 1

CLASSIFICATION (ICD-9) CODES FOR UNDERLYING CAUSES OF DEATH

ICD-9 Code	Underlying Cause of Death
002.0	TYPHOID FEVER
005.1	BOTULISM
010 - 018, 137	TUBERCULOSIS
042 - 044	HIV INFECTION
045, 138	POLIOMYELITIS
082.0	ROCKY MOUNTAIN SPOTTED FEVER
090 - 097	SYPHILIS
140 - 208	CANCER
320 - 322	MENINGITIS
331.0	ALZHEIMER'S DISEASE
390 - 398, 402, 404, and 410 - 429	HEART DISEASE
430 - 438	CEREBROVASCULAR DISEASE
480 - 486	PNEUMONIA
490 - 496	CHRONIC OBSTRUCTIVE PULMONARY DISEASES
540 - 543	APPENDICITIS
580 - 589	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS
810 - 825	MOTOR VEHICLE ACCIDENTS
800 - 807, 826 - 949	OTHER ACCIDENTS
950 - 959	SUICIDE
960 - 969	HOMICIDE

USE OF CRUDE RATES AND RATIOS

Reference tables in this report present rates and ratios that have not been adjusted to account for population variability. In such "crude" rates, the denominator is the estimated state or county population and the numerator is the number of events, not weighted by any factor to adjust that population count. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates are discussed above, and are therefore not included with these definitions.

ABORTION RATIO — the number of induced abortions reported to the VSB, as compared to the number of live births. It is computed as follows:

$$Abortion\ ratio = \frac{Number\ of\ induced\ abortions}{Number\ of\ live\ births} \times 1{,}000$$

AGE— the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month and day of birth were incomplete or invalid, the month was assumed to be June and/or the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE — an index number that represents the death rate that would occur if the observed age-specific death rates were present in a population with an age distribution equal to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry.

AT-RISK POPULATION — all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. See the use of "at risk" in the definition of FERTILITY RATE.

BIRTH RATE — the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is computed as follows:

$$Crude\ birth\ rate = \frac{Number\ of\ live\ births}{Midyear\ population} \times 1{,}000$$

COUNTY — as used in table titles, either an incorporated county or that part of Yellowstone National Park which is located in Montana, but which is not incorporated into any Montana county. For example, a tabulation of deaths "by county of occurrence" would show deaths in the Montana portion of Yellowstone National Park as "county" occurrences.

DEATH RATE — the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual, crude rate, unadjusted for factors affecting the population. It is computed as follows:

$$Crude\ death\ rate = \frac{Number\ of\ deaths}{Midyear\ population} \times 1{,}000$$

FERTILITY RATE — the total number of live births as a proportion of the estimated population of women at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). The rate is computed as follows:

$$Fertility\ rate = \frac{Number\ of\ live\ births}{Midyear\ population\ of\ women\ aged\ 15\text{-}44} \times 1{,}000$$

FETAL DEATH — the reported birth of a fetus that shows no evidence of life after complete birth — that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no provision in Montana law for reporting the birth of a non-viable fetus with a lower weight.

FETAL DEATH RATIO — the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is computed as follows:

$$Fetal\ death\ ratio = \frac{Number\ of\ fetal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

FREQUENCY — the number of occurrences of an event or observation; how often an event occurs.

INCIDENCE RATE — the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION — a legal, medical procedure that is intended to terminate a pregnancy without live birth.

INFANT — an individual less than 365 days (one year) old.

INFANT DEATH RATE — the number of infant deaths as compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$Infant\ death\ rate = \frac{Number\ of\ infant\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

INVALID MARRIAGE — marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH — the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTHWEIGHT — the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION — legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH — a woman's death attributable to childbirth or complications of pregnancy, delivery, and the puerperium.

MATERNAL DEATH RATE — the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is computed as follows:

$$Maternal\ death\ rate = \frac{Number\ of\ maternal\ deaths}{Number\ of\ live\ births} \times 100{,}000$$

MEAN — the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN— the midpoint; the middle value in a series of values arranged in order of size. For the example under the definition of "mean," the median age is 12.5.

MODE— the most frequently observed value in a series of values. For the example under the definition of "mean," the modal age is 13.

NATURAL INCREASE — the excess of births over deaths among residents of an area.

NEONATAL DEATH — a death occurring within the first 27 days of life.

NEOPLASM— a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO — the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is computed as follows:

$$Out\text{-}of\text{-}wedlock\ birth\ ratio = \frac{Number\ of\ live\ out\text{-}of\text{-}wedlock\ births}{Number\ of\ live\ births} \times 1{,}000$$

PARITY — the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERINATAL DEATH — a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL DEATH RATE — the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand persons in that population. It is calculated as follows:

$$Perinatal\ death\ rate = \frac{Number\ of\ fetal\ deaths\ +\ neonatal\ deaths}{Number\ of\ fetal\ deaths\ +\ live\ births} \times 1{,}000$$

PLACE OF OCCURRENCE — the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE — the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY — the number of infants born during this delivery.

PUERPERIUM — the condition of the mother immediately following childbirth.

RATE — the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit — generally 1,000 or 100,000 — of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO— the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal death ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS —The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ—An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local —A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional—A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Distant—A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown—A cancer for which there is insufficient information available to determine the stage a diagnosis.

SUBJECT POPULATION — see AT-RISK POPULATION.

SURVIVAL RATE — the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES — procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy—administration of a chemical that alters the patient's immune system to destroy cancer growth.
Chemotherapy —administration of a drug to destroy cancer cells.
Hormone Therapy—administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.
Radiation—the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.
Surgery —a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT — The birthweight of an infant of less than 1,500 grams (about 3

pounds 5 ounces).

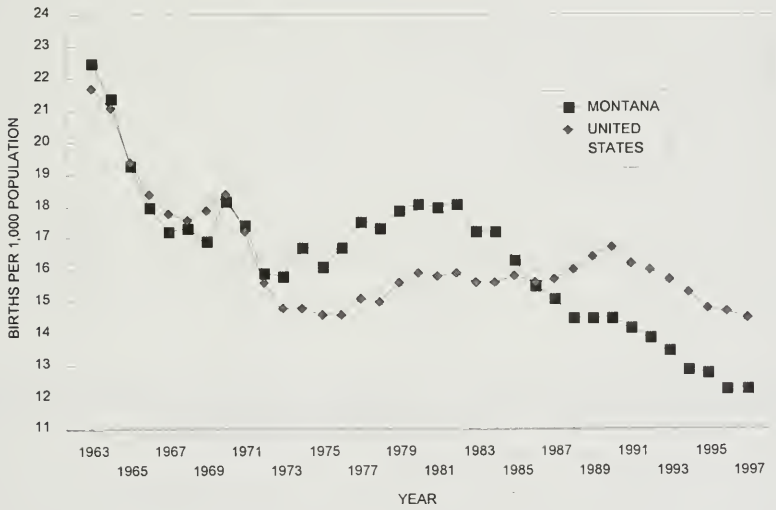
YEARS OF POTENTIAL LIFE LOST (YPLL) — A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

NATALITY

There were 10,840 babies born to Montana residents in 1997. **Table 1** (page 97-1) shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946. While both the number and rate of births were identical to those of 1996, the long-term decline in Montana's birth rate since 1980 continues. **Figure 2** compares the resident birth rates for Montana and the U.S. for 35 years.

Figure 2

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1963 — 1997

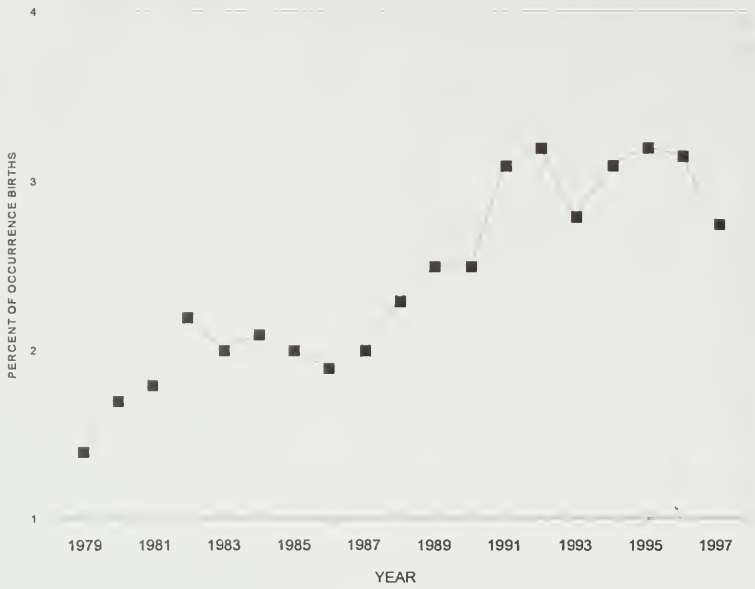


While the Montana rate exceeded the U.S. rate from 1971 to 1985, it has been the lower of the two since. The Montana birth rate for 1997, 12.3 per thousand population, is, along with the rate for 1996, the lowest ever recorded for the state.

Table 6 (page 97-6) shows the frequency and percent distribution of live births by type of facility or attendant and by county of occurrence. **Figure 3**, on the following page, shows an upward trend in Montana births occurring in places other than hospitals since 1979. Less than three percent of all babies born in Montana were delivered outside of a hospital in 1997. However, this proportion has nearly doubled since 1979.

Figure 3

PERCENT OF BIRTHS OUTSIDE HOSPITALS
MONTANA OCCURRENCES, 1979 — 1997



While the vast majority of births occurred in hospitals in all of the years shown in **Figure 3**, non-hospital births have become increasingly frequent in Montana.

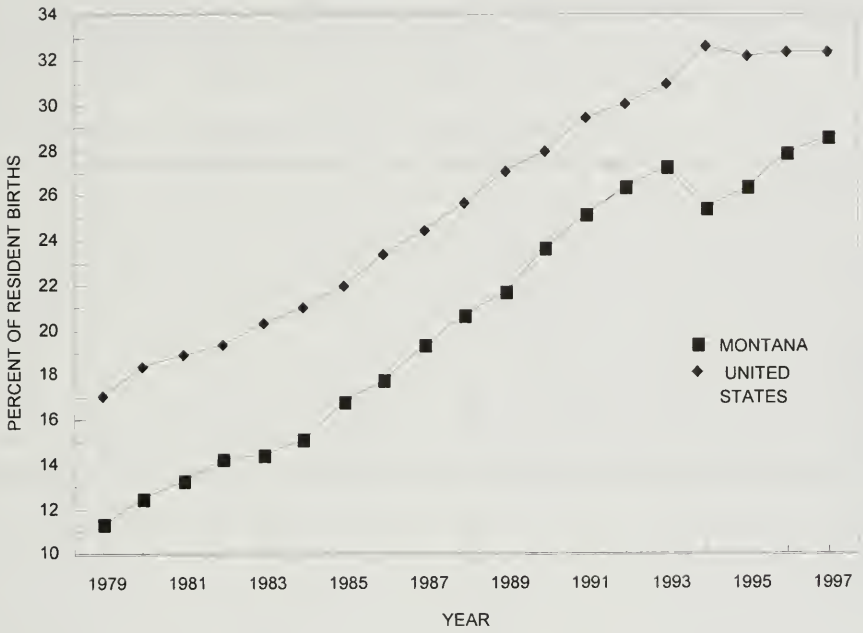
MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 1997 were predominantly married White women aged 22 to 34 years. **Table 30** (pages 97-50 through 97-58) shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table 4** (page 97-4) shows the frequency of births by race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Table 5 (page 97-5) shows the frequency and percent distribution of resident births to unmarried women for 1993 through 1997. **Figure 4**, on the next page, shows the trend in those births for Montana and the United States since 1979. Births to unmarried women represented 12.5% of Montana's resident births in 1980, 23.7% in 1990, 27.9% in 1996 and 28.6%in 1997.

Figure 4

PERCENT OF BIRTHS TO UNMARRIED MOTHERS MONTANA AND U.S. RESIDENTS, 1979 — 1997



By comparison, unmarried women in the U.S. accounted for 18.4% of the resident births in 1980, 28.0% in 1990, and 32.4% in 1996 and 1997.

Figure 5, on the next page, shows the distribution of all Montana resident mothers' ages for various combinations of race and marital status during the nine-year period from 1989 through 1997.

Figure 5

ALL MOTHERS' AGE IN YEARS BY RACE AND MARITAL STATUS (REGARDLESS OF PARITY OF BIRTH) CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 1989-1997

RACE AND MARITAL STATUS	MINIMUM AGE	25TH PER-CENTILE	MEDIAN AGE	75TH PER-CENTILE	MAXIMUM AGE	MODAL AGE	MEAN AGE	STANDARD DEVIATION
ALL MOTHERS N = 101,469	12	22	26	31	55	26	26.7	5.9
ALL MARRIED N = 75,216	14	24	28	32	55	26	28.0	5.4
WHITE MARRIED N = 70,311	15	24	28	32	55	26	28.1	5.3
NATIVE AMERICAN MARRIED N = 3,886	15	23	26	31	45	24	26.8	5.5
OTHER MARRIED N = 1,019	14	24	28	32	51	31	28.3	5.7
ALL UNMARRIED N = 26,094	12	19	21	26	46	19	22.8	5.6
WHITE UNMARRIED N = 18,189	12	19	21	26	46	19	22.8	5.6
NATIVE AMERICAN UNMARRIED N = 7,750	13	19	22	26	46	19	22.9	5.5
OTHER UNMARRIED N = 255	13	19	21	25	40	20	22.3	5.2

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age at which the greatest number of women gave birth. One quarter of the mothers are at or younger than the age at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

In general, married mothers were six to seven years older than unmarried mothers in this nine-year period. This pattern holds for both White and Native American mothers. Although they were generally about three years younger than those who had previously given birth, these same patterns held for first-time mothers, as **Figure 6**, on the next page, shows.

Figure 6

FIRST-TIME MOTHERS' AGE IN YEARS BY RACE AND MARITAL STATUS CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 1989-1997

RACE AND MARITAL STATUS	MINIMUM AGE	25TH PERCENTILE	MEDIAN AGE	75TH PERCENTILE	MAXIMUM AGE	MODAL AGE	MEAN AGE	STANDARD DEVIATION
ALL MOTHERS N = 38,909	12	19	23	28	47	19	23.9	5.5
ALL MARRIED N =24,727	14	22	25	29	47	26	25.9	5.1
WHITE MARRIED N =23,601	15	22	26	29	47	26	26.0	5.1
NATIVE AMERICAN MARRIED N = 754	15	19	22	26	41	19	23.1	4.7
OTHER MARRIED N = 373	14	22	26	31	44	20	26.7	5.6
ALL UNMARRIED N =14,163	12	18	19	22	46	19	20.4	4.3
WHITE UNMARRIED N =11,029	12	18	19	22	46	19	20.6	4.4
NATIVE AMERICAN UNMARRIED N =2,975	13	17	19	21	44	18	19.3	3.7
OTHER UNMARRIED N =159	13	18	20	23	40	20	20.7	4.5

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age at which the greatest number of women gave birth. One quarter of the mothers are at or younger than the age at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

Married first-time married mothers were generally five to seven years older than unmarried first-time mothers .

METHOD OF DELIVERY

More than four-fifths of the infants delivered in Montana in the years 1989 through 1997 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As Figure 7 shows, the likelihood of a vaginal delivery decreases somewhat with increasing age of the mother. This pattern holds for both Whites and Native Americans.

Figure 7

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1989-1997

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and over	not stated
ALL METHODS	Number	100,080	124	3,857	7,872	26,844	29,214	21,594	9,003	1,505	63	4
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VAGINAL	Number	77,148	108	3,334	6,565	21,334	22,405	15,919	6,411	1,024	46	2
	Percent	77.1	87.1	86.4	83.4	79.5	76.7	73.7	71.2	68.0	73.0	50.0
VAGINAL AFTER C-SECTION	Number	3,156	-	6	78	660	1,016	930	403	63	-	-
	Percent	3.2	0.0	0.2	1.0	2.5	3.5	4.3	4.5	4.2	0.0	0.0
PRIMARY C-SECTION	Number	12,069	16	493	1,050	3,276	3,355	2,496	1,135	237	11	-
	Percent	12.1	12.9	12.8	13.3	12.2	11.5	11.6	12.6	15.7	17.5	0.0
REPEAT C-SECTION	Number	7,628	-	23	172	1,567	2,419	2,223	1,042	176	6	-
	Percent	7.6	0.0	0.6	2.2	5.8	8.3	10.3	11.6	11.7	9.5	0.0
NOT STATED	Number	79	-	1	7	7	19	26	12	5	-	2
	Percent	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.3	0.0	50.0

BIRTHWEIGHT

Table 7 (page 97-7) shows the frequency of birth by birthweight category and mothers' county of residence. Infants born at weights less than 2,500 grams (about 5 pounds, 8 ounces) are commonly called "low birthweight" babies. Those born at less than 1,500 grams (about 3 pounds, 5 ounces) are considered "very low birthweight". The U.S. Department of Health and Human Services and several other national organizations have noted the association between low birthweight and infant mortality and morbidity. The reduction of low birthweight is an established national priority in public health.

As **Figures 8, 9, and 10** show, the child's birthweight was associated with the mother's race, the plurality of the child's birth, and the mother's age at the time of the child's birth.

Figure 8

CHILD'S BIRTHWEIGHT BY RACE - CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1989-1997

RACE OF CHILD	MINIMUM WEIGHT	25TH PERCENTILE	MEDIAN WEIGHT	75TH PERCENTILE	MAXIMUM WEIGHT	MODAL WEIGHT	MEAN	STANDARD DEVIATION
ALL RACES N=101,426	5 oz	6 lbs, 12 oz	7 lbs, 8 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 6.5 oz	1 lb, 4 oz
WHITE N=88,522	5 oz	6 lbs, 12 oz	7 lbs, 7 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 6.3 oz	1 lb, 3.8 oz
NATIVE AMERICAN N=11,633	6 oz	6 lbs, 13 oz	7 lbs, 10 oz	8 lbs, 6 oz	13 lbs, 8 oz	8 lbs, 0 oz	7 lbs, 9.0 oz	1 lb, 5.4 oz
OTHER RACES N=1,271	15 oz	6 lbs, 7 oz	7 lbs, 3 oz	7 lbs, 14 oz	11 lbs, 3 oz	7 lbs, 0 oz	7 lbs, 1.6 oz	1 lb, 4.5 oz

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the birthweight for the greatest number of infants. One quarter of the infants are at or under the weight at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

In general, Native American babies tended to be heavier at birth than white babies. White babies, in turn, were heavier than babies in the "other" category.

Figure 9

CHILD'S BIRTHWEIGHT BY PLURALITY - CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 1989-1997

PLURALITY OF BIRTH	MINIMUM WEIGHT	25TH PERCENTILE	MEDIAN WEIGHT	75TH PERCENTILE	MAXIMUM WEIGHT	MODAL WEIGHT	MEAN	STANDARD DEVIATION
ALL BIRTHS N=101,426	5 oz	6 lbs, 12 oz	7 lbs, 8 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 6.5 oz	1 lb, 4 oz
SINGLE N=99,098	5 oz	6 lbs, 13 oz	7 lbs, 8 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 7.3 oz	1 lb, 3.2 oz
PLURAL N=2,309	7 oz	4 lbs, 9 oz	5 lbs, 8 oz	6 lbs, 4 oz	9 lbs, 8 oz	5 lbs, 10 oz	5 lbs, 4.7 oz	1 lb, 6.9 oz

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the birthweight for the greatest number of infants. One quarter of the infants are at or under the weight at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

Single-birth babies weighed, on average, about two pounds more than multiple-birth babies.

Figure 10

CHILD'S BIRTHWEIGHT BY AGE OF MOTHER-CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 1989-1997

AGE OF MOTHER	MINIMUM WEIGHT	25TH PERCENTILE	MEDIAN WEIGHT	75TH PERCENTILE	MAXIMUM WEIGHT	MODAL WEIGHT	MEAN	STANDARD DEVIATION
ALL AGES N=101,426	5 oz	6 lbs, 12 oz	7 lbs, 8 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 6.5 oz	1 lb, 4 oz
YOUNGER THAN 15 N=126	1 lb, 2 oz	6 lbs, 9 oz	7 lbs, 3 oz	8 lbs, 1 oz	10 lbs, 2 oz	7 lbs, 2 oz	7 lbs, 2.2 oz	1 lb, 8.7 oz
15 TO 17 N=3,927	10 oz	6 lbs, 9 oz	7 lbs, 5 oz	8 lbs, 0 oz	11 lbs, 1 oz	7 lbs, 7 oz	7 lbs, 3.4 oz	1 lb, 4.3 oz
18 TO 19 N=8,000	12 oz	6 lbs, 10 oz	7 lbs, 6 oz	8 lbs, 1 oz	15 lbs, 2 oz	7 lbs, 4 oz	7 lbs, 4.3 oz	1 lb, 4.3 oz
20 TO 24 N=27,232	6 oz	6 lbs, 11 oz	7 lbs, 7 oz	8 lbs, 2 oz	13 lbs, 3 oz	7 lbs, 0 oz	7 lbs, 5.5 oz	1 lb, 3.6 oz
25 TO 34 N=51,437	5 oz	6 lbs, 13 oz	7 lbs, 8 oz	8 lbs, 4 oz	14 lbs, 3 oz	7 lbs, 8 oz	7 lbs, 7.5 oz	1 lb, 3.7 oz
35 AND OLDER N=10,698	9 oz	6 lbs, 12 oz	7 lbs, 9 oz	8 lbs, 5 oz	13 lbs, 4 oz	8 lbs, 0 oz	7 lbs, 7.6 oz	1 lb, 5.4 oz

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the birthweight for the greatest number of infants. One quarter of the infants are at or under the weight at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

Mothers who were older at the time of children's birth tended to deliver heavier babies.

BIRTH OUTCOMES

The presence of birth anomalies (e.g. spina bifida, heart malformations, and Down's syndrome) or abnormal conditions of the newborn (e.g. anemia, fetal alcohol syndrome, and seizures) recorded for a birth are also indicators of the child's health--although imperfect indicators. The presence of one or more anomalies or abnormalities was associated with birthweight. Nearly 21% of those infants reported to have been born with abnormalities also had "low" birthweights (below 2,500 grams); 95.5% of those born free of abnormalities had birthweights of 2,500 grams or greater. Twenty one and a half percent of those born with anomalies had low birthweights; 94.3% of those born without anomalies had higher birthweights.

Survival of the child for a sustained period is perhaps the most important measure of his or her health. **Figure 11** summarizes birthweight for Montana resident babies by whether they survived the calendar year in which they were born.

Figure 11

CHILD'S BIRTHWEIGHT BY SURVIVAL* STATUS
CENTRAL TENDENCY AND DISPERSION**
MONTANA RESIDENTS, 1989-1997

AGE OF MOTHER	MINIMUM WEIGHT	25TH PERCENTILE	MEDIAN WEIGHT	75TH PERCENTILE	MAXIMUM WEIGHT	MODAL WEIGHT	MEAN	STANDARD DEVIATION
ALL AGES N=101,426	5 oz	6 lbs, 12 oz	7 lbs, 8 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 6.7 oz	1 lb, 4 oz
SURVIVED N=100,953	5 oz	6 lbs, 12 oz	7 lbs, 8 oz	8 lbs, 3 oz	15 lbs, 2 oz	7 lbs, 8 oz	7 lbs, 6.8 oz	1 lb, 3.6 oz
DIED N=473	5 oz	1 lbs, 9 oz	5 lbs, 3 oz	7 lbs, 2 oz	10 lbs, 0 oz	1 lbs, 1 oz	4 lbs, 10.5 oz	2 lb, 12.5 oz

* Survival indicates that the child lived through the end of the calendar year in which he or she was born. 44 cases are not reported in this table because of missing birthweight for the child.

** The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the birthweight for the greatest number of infants. One quarter of the infants are at or under the weight at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

These distributions of birthweights are remarkable for several reasons. The association of survival of the child and birthweight is well established nationally and is reflected in the data examined here, but the relationship is not as clear-cut as one might expect. While the distribution of birthweights for surviving infants (**Figure 12**, page 25) is distributed approximately normally, with little difference among the mean, median, and modal weights, the distribution for infants who died in the calendar year of their birth (**Figure 13**, page 25) has a much wider dispersion (as measured by the standard deviation) and is multi-modal.

It is also noteworthy that nearly half (223, or 48%) of the babies who did not survive through the end of their birth year were heavier than 5 pounds, 8 ounces, the usual low birthweight mark. Slightly more than five and three-quarters percent of those who survived the calendar year of their birth in this nine-year period (5,818) weighed less than this. This is more than a dozen times as many babies who died during their birth year, regardless of birthweight.

The weight distribution for those babies who died can almost be seen as two separate distributions, the first of which is often referred to as "very low birth weight." (less than 1,500 grams, or about 3 pounds, 5 ounces). It should be noted, however, that four-fifths of the babies in even this weight category survived the calendar year of their birth.

FIGURE 12

BIRTHWEIGHTS FOR INFANTS WHO
SURVIVED THE CALENDAR YEAR OF THEIR BIRTH
MONTANA RESIDENTS, 1989-1997

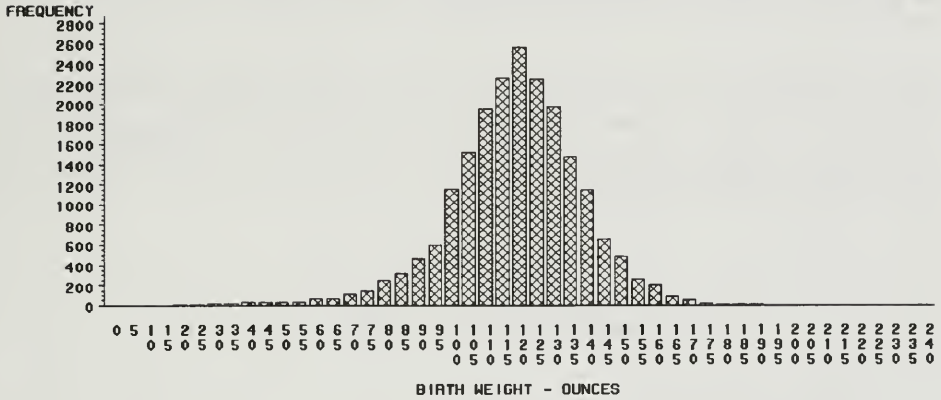
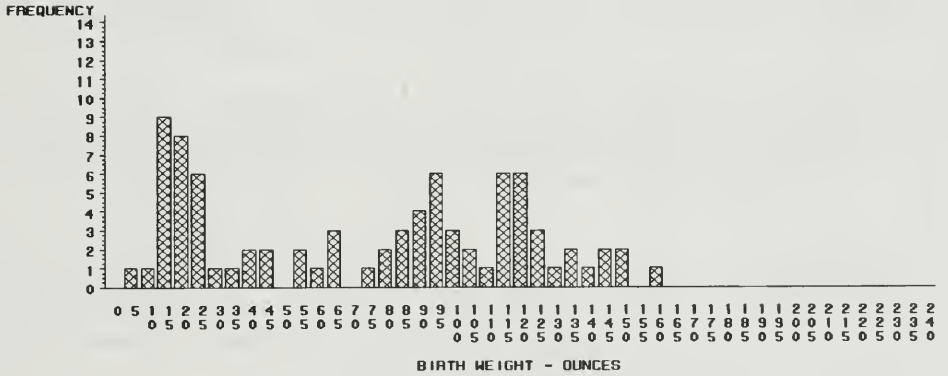


FIGURE 13

BIRTHWEIGHTS FOR INFANTS WHO
SURVIVED THE CALENDAR YEAR OF THEIR BIRTH
MONTANA RESIDENTS, 1989-1997



MORTALITY

Montana's crude annual mortality rate in 1997 was 8.8 per 1,000 estimated midyear population. Of the 7,730 Montana residents who died in 1997, 4,035 (52.2%) were males and 3,695 (47.8%) were females. The vast majority, 7,374 (95.4%) were white and 333 (4.3%) were Native American. According to the U.S. Census Bureau, 92.8% of Montana's resident population in 1997 were white and 6.2% were Native American. Montana's population was almost evenly divided between males (49.8%) and females.

Figure 14 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1963 through 1997. Montana's annual death rate follows the national trend fairly closely throughout this period, with slight deviations, particularly in the 1980's. Montana's rate displayed no consistent trend from 1963 to 1973, averaging about 9.5 deaths per 1,000 population. It dropped somewhat beginning in the early 1970's, and, for the most part, has been rising since the mid-1980's.

Figure 14

RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1963 - 1997

Figure 15, on the next page, summarizes the distribution of age at death for Montana residents by sex and race for the nine-year period, 1989 to 1997.

Figure 15

AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1989 - 1997

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PER-CENTILE	MEDIAN AGE	75TH PER-CENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	65,446	0	65	76	84	111	71.9	19.1
MALE	34,693	0	62	74	82	109	68.7	19.5
FEMALE	30,752	0	69	79	87	111	75.6	17.9
WHITE								
TOTAL	62,268	0	66	77	85	111	72.7	18.4
MALE	32,863	0	63	74	82	109	69.6	18.8
FEMALE	29,404	0	70	80	87	111	76.3	17.2
NATIVE AMERICAN								
TOTAL	2,930	0	39	61	74	107	55.3	24.8
MALE	1,691	0	34	57	72	107	52.6	24.7
FEMALE	1,239	0	46	65	77	107	59.0	24.5
OTHER								
TOTAL	248	0	42.5	66.5	77	102	57.6	27.0
MALE	135	0	32	63	75	96	54.6	27.0
FEMALE	106	0	53	68.5	79	102	62.1	26.5

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. One quarter of the infants are at or under the weight at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

Whites typically died at an older age than Native Americans. The age at death for Whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking is the fact that one quarter of the White decedents died at or below the age of 66, while one quarter of the Native Americans died at or below the age of 39.

In general, female decedents were older than male decedents; the mean and median ages were greater for women than for men, regardless of race. For white women, the median age at death was 80, compared to 74 for white men. The median age for Native American women was 65 years; for Native American men was 57 years.

There was greater variability in the age at death for Native Americans than for Whites. The standard deviation, which measures the dispersion around the mean, was greater for Native Americans --24.8 as compared to 18.4 for whites--indicating that a larger proportion of Native Americans died at younger or older-than-average ages than did whites.

FETAL, INFANT, AND MATERNAL DEATHS

Table 1, (page 97-1), shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-

year intervals from 1910 to 1945 and yearly from 1946 through 1997 for deaths of Montana residents (regardless of place of occurrence).

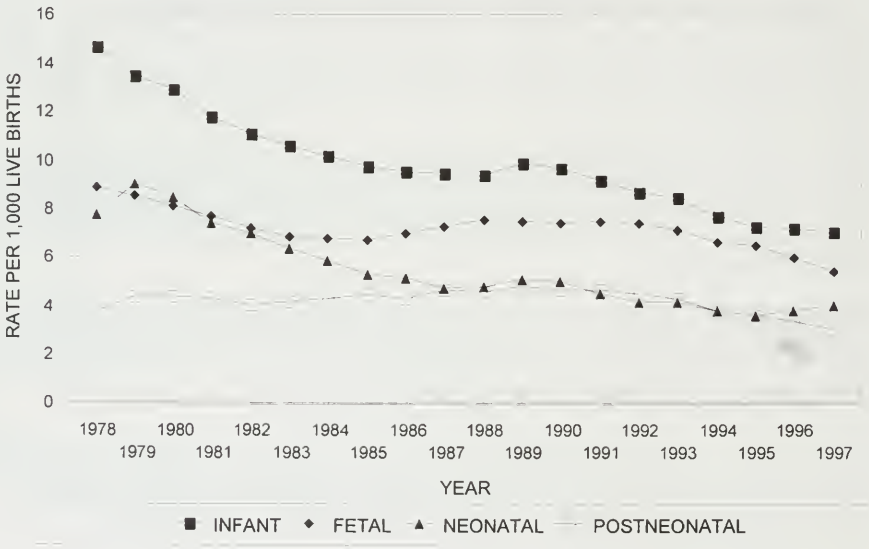
Fetal, infant, and maternal mortality rates have declined fairly steadily during the twentieth century in Montana. While maternal death--traditionally defined in vital statistics as a death caused by a complication of pregnancy, childbirth, or the puerperium occurring within 42 days of the end of pregnancy--has become rare among Montana residents, fetal and infant deaths remain causes for concern.

The frequency of maternal deaths in Montana has decreased dramatically since 1947, when the maternal mortality rate was 106.1 per 100,000 lives births. There was only one maternal death in the five years from 1993 through 1997.

Figure 16 shows the five-year infant and fetal mortality rates for Montana residents from 1978 through 1997.

Figure 16

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS MONTANA RESIDENTS, 1978 - 1997



There was a substantial decline in the five-year infant death rate during this 20-year period. This rate was more than halved--from 14.7 infant deaths per 1,000 live births in 1978 to 7.1 per 1,000 live births in 1997. The five-year death rate for infants dying in the neonatal

period, the first 27 days of life, was nearly halved during this period. This rate declined from 7.8 per 1,000 live births in 1978 to 4.0 in 1997. The rate for post-neonatal infants, infants 28 days and older, remained almost unchanged. The 5-year fetal mortality ratio also declined during this period, falling from 8.9 deaths per 1,000 live births in 1978 to 5.4 in 1997.

There were 49 resident fetal deaths and 73 resident infant deaths in Montana in 1997. Infant and fetal deaths by Montana county of occurrence and residence appear in **Table 3** (page 97-3). **Table 4** (page 97-4) shows fetal deaths by the mother's race and county of residence. Infant deaths and five-year infant mortality rates by Montana county of residence appear in **Table 13** (page 97-29).

Selected causes of death by age and by race for Montana resident infants are shown in **Table 14** (page 97-30). Congenital anomalies and sudden infant death syndrome caused almost 40% of all infant deaths in 1997. Congenital anomalies caused slightly more than a third of the neonatal deaths. Sudden infant death syndrome caused more than 40% of the post-neonatal deaths.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

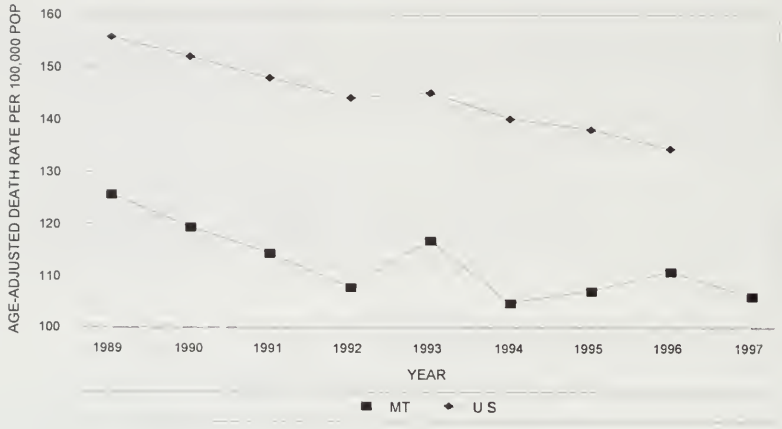
Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations --the Montana resident population in different years, for instance--is limited.

Because a population's mortality risk is highly dependent on the ages of its members, age-adjusted rates are often more useful in comparing mortality risks between populations in which age distributions differ substantially.

Figures 17 through 21, beginning on the next page, display age-adjusted rates for deaths caused by heart disease, cancer, motor vehicle and other accidents, and suicide for Montana and the U.S. These rates are age-adjusted with the direct method to the 1940 U.S. population. Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as age may differ), but not for making comparisons within a single population. For instance, one can compare the Montana age-adjusted death rate for heart disease in 1989 to that for 1997. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer.

Figure 17

AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE MONTANA AND U.S. RESIDENTS, 1989 - 1997



* Adjusted with the direct method to the 1940 U.S. population. U.S. data for 1997 are not yet available.

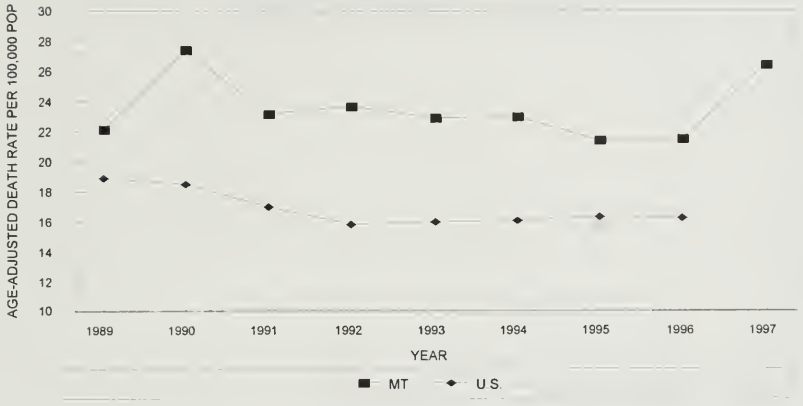
Figure 18

AGE-ADJUSTED* DEATH RATES FOR CANCER MONTANA AND U.S. RESIDENTS, 1989 - 1997

* Adjusted with the direct method to the 1940 U.S. population. U.S. data for 1997 are not yet available.

Figure 19

AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS MONTANA AND U.S. RESIDENTS, 1989 - 1997



* Adjusted with the direct method to the 1940 U.S. population. U.S. data for 1997 are not yet available.

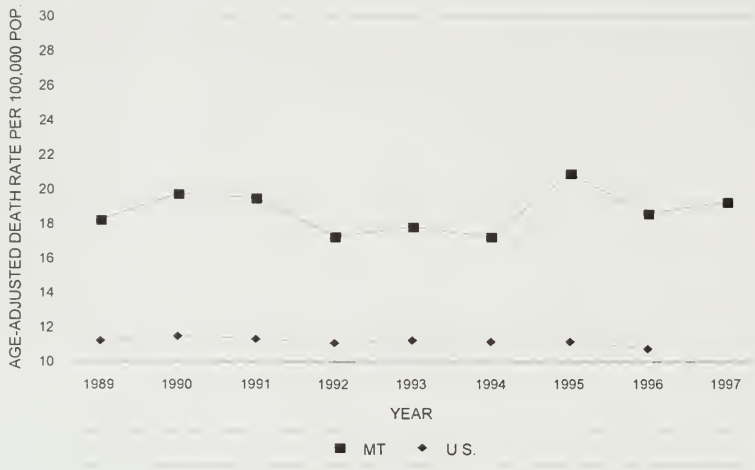
Figure 20

AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS MONTANA AND U.S. RESIDENTS, 1989 - 1997

* Adjusted with the direct method to the 1940 U.S. population. U.S. data for 1997 are not yet available.

Figure 21

AGE-ADJUSTED* DEATH RATES FOR SUICIDE
MONTANA AND U.S. RESIDENTS, 1989 - 1997



* Adjusted with the direct method to the 1940 U.S. population. U.S. data for 1997 are not yet available.

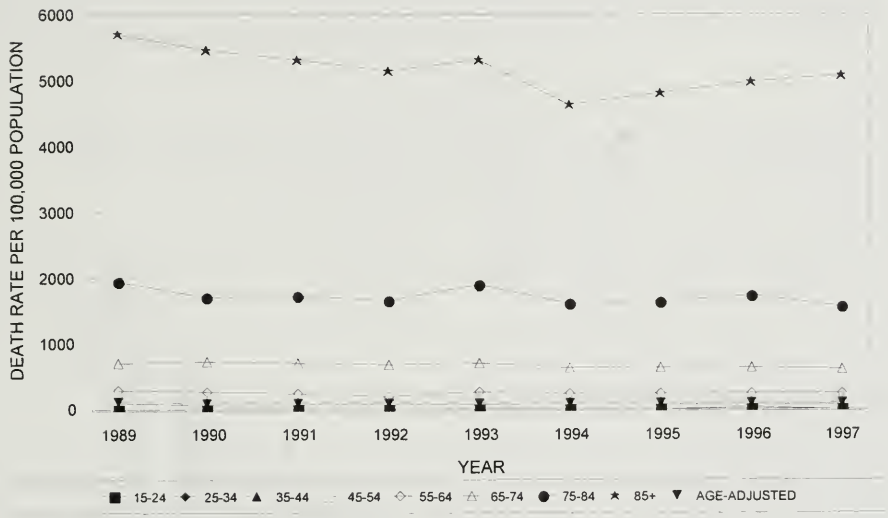
The graphs on this and previous pages show slight reductions in Montana's age-adjusted rates for heart disease and cancer in this nine-year period. Less progress has been made for motor vehicle and other accidental deaths . The age-adjusted rate for deaths from suicide has increased somewhat.

It is also notable that the Montana rates for deaths from cancer and heart disease were consistently below the U.S. rates. The Montana rates for motor vehicle and other accidental deaths and suicide were consistently greater than those for the nation.

It can also be very informative to examine the components of age-adjusted rates. **Figure 22**, on the following page, shows the age-specific and age-adjusted death rates for heart disease for Montana residents in this 9-year period.

Figure 22

AGE-SPECIFIC AND AGE ADJUSTED* DEATH RATES FOR HEART DISEASE MONTANA RESIDENTS, 1989-1997



* Adjusted with the direct method to the 1940 U.S. population.

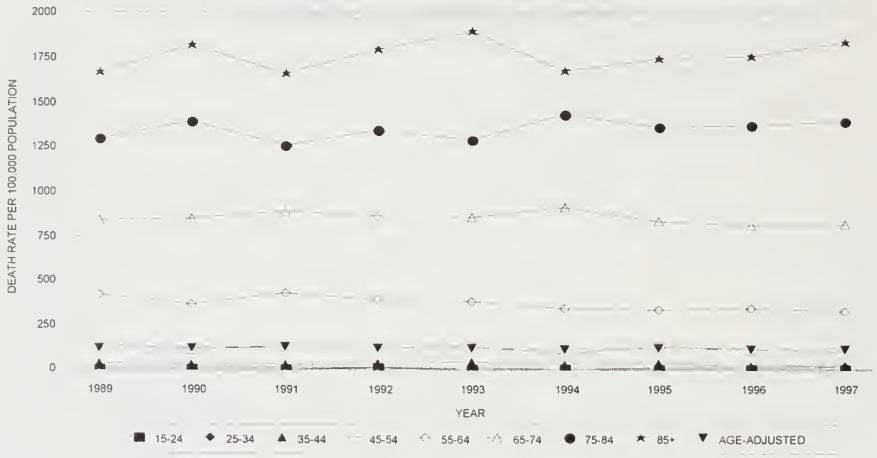
The age-adjusted rate declined from 125.3 deaths per 100,000 population in 1989 to 105.8 in 1997. Age-specific rates, direct measures of mortality risk, are much higher for the older cohorts, indicating the increased risk of dying of heart disease as age increases.

The age-specific rates for the older cohorts are quite high and those for the younger cohorts relatively low. However, the age distribution of the "hypothetical population" (that of the U.S. in 1940) ensures that the lower rates of the younger cohorts are weighted far more heavily than the higher rates. The result is that the age-adjusted rates appear near the lower end of the vertical scale.

Figure 23, on the next page, shows the age-adjusted death rates for cancer, along with their age-specific components.

Figure 23

AGE-SPECIFIC AND AGE ADJUSTED* DEATH RATES FOR CANCER
MONTANA RESIDENTS, 1989-1997



* Adjusted with the direct method to the 1940 U.S. population.

The age-adjusted rate was 126.4 per 100,000 population in 1989 and had fallen to 113.9 by 1997. While the age-specific rates for more cohorts are distinguishable in this cancer graph than was the case in the heart disease graph, many of the same points can be made. Again, the age-specific rates for the older cohorts are several times greater than for those for the younger cohorts. However, the age-adjusted rate is quite heavily influenced by the lower rates in the younger cohorts, yielding an age-adjusted rate quite near the lower end of the vertical scale.

AGE, SEX, AND RACE

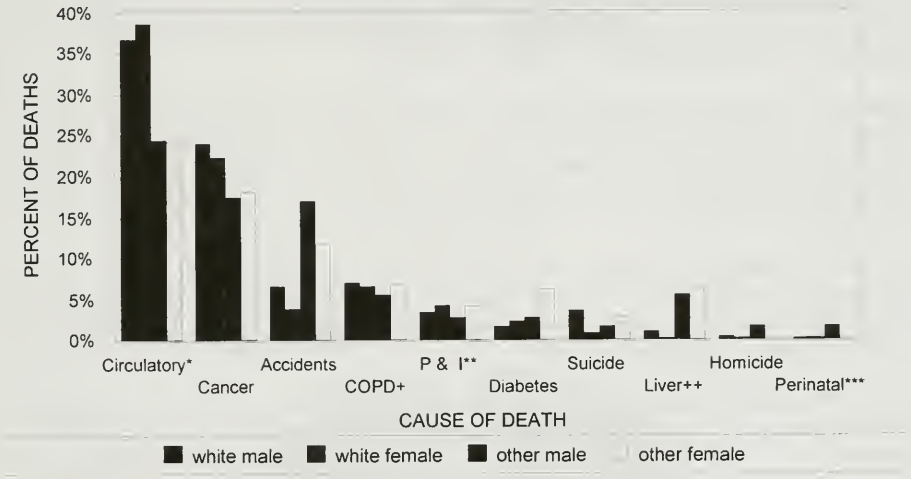
Cause of death is age-, sex-, and race-dependent. Heart disease and cancer were, in 1997, and have been for years, the leading causes of death in Montana, claiming the largest numbers of persons of all races and both sexes. Females dying of heart disease tended to be older than males. Persons less than 50 years old who died of cancer were most often women; those older than 50 were most often men.

The frequency of Montana resident deaths by cause, sex, and race is shown in **Table 9** (pages 97-9 through 97-17) for all causes of death, listed by ICD-9 category. **Figure 24** , on the next page, shows the percent distribution for almost 80% of those deaths by cause, race and sex categories. The following discussion refers to the "Other" category as "nonwhite" because it includes all racial categories other than Whites.

When shown as a proportion of all 1997 deaths, circulatory system diseases were the leading cause of death for all races and sexes. Specifically, 36.7% of White males, 38.6% of White females, 24.5% of nonwhite males, and 24.3% of nonwhite females died of diseases of the circulatory system--primarily heart disease, cerebrovascular disease and atherosclerosis. Between one-quarter and one-fifth of white decedents--both male and female--died of cancer, compared to 17.5% and 18.0% for nonwhite males and females, respectively. Nearly the same proportions of nonwhite female decedents died of circulatory system diseases (27.2%) and cancer (26.5%). Accidents were the third leading cause of deaths for nonwhite males (17.0%); the proportions of deaths from this cause are much smaller for all females and white males.

Figure 24

PERCENT DISTRIBUTION OF DEATHS BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 1997



* DISEASES OF THE CIRCULATORY SYSTE
\+ CHRONIC OBSTRUCTIVE PULMONARY DISEASES
** PNEUMONIA AND INFLUENZA
\+ \+ CHRONIC LIVER DISEASE AND CIRRHOSIS
*** CONDITIONS ORIGINATING IN EARLY INFANCY (PERINATAL PERIOD)

Homicide, suicide, chronic liver disease and cirrhosis, and conditions originating in early infancy did not constitute a large percentage of deaths in any of the groups, but the distribution between races and sexes is of interest. The proportion of deaths from homicides is highest for nonwhite males (0.02%). This percentage is quartered for White males and is one-tenth as great for White females. There were no homicide deaths among

nonwhite female Montanans in 1997. Four percent of White male decedents committed suicide. This proportion drops to 3% for nonwhite females, 2% for nonwhite males and 0.9% for White females. Only 1.1% of white male decedents and 0.4% of white female decedents died of chronic liver disease and cirrhosis; the proportions were 5.7% and 6.3% for nonwhite males and females, respectively. Nearly 0.02% of the nonwhite male decedents died of conditions originating in the perinatal period; the corresponding proportion for white decedents was about one-sixth of that.

Table 10 (pages 97-18 through 97-26) shows the number of resident deaths in 1997 by cause, age and sex. Those who died of heart disease were most likely men older than age 35. Accident victims in 1997 were most likely to be men age 20 and older. The Montana resident committing suicide was likely to be a man, older than age 15, using a firearm. The Montana resident homicide victim was likely to be a male. Almost 70% (25) of the homicides involved use of a firearm.

Table 11 (page 97-27) shows the frequency and percent distribution of accidental deaths occurring in Montana by age and type of accident. Motor vehicle accidents accounted for the majority of accidental deaths for those from 15 to 64 years of age and for more than one-third of the accidental deaths of younger children.

Figure 25, on the following page, displays the leading causes of death by age for Montana residents. In 1997, sudden infant death syndrome, conditions originating in early infancy (the neonatal period), and congenital anomalies, accounted for 73.9% of the infant deaths. Congenital anomalies are the second leading cause of death in the age categories less than one and one to four years.

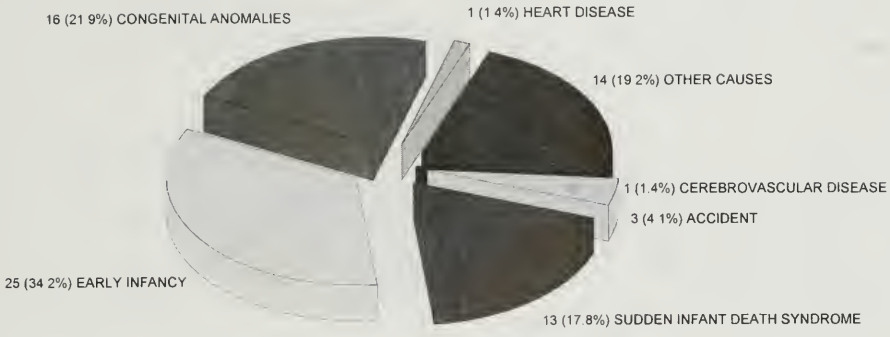
The number of deaths is small for younger ages (one to 14 years), with accidents accounting for most deaths. Accidents accounted for the largest percentage of deaths in the age categories from one through 44. Suicide constituted the second leading cause of death for the age categories of 15 to 44.

Cancer, followed by heart disease, was the leading cause of death for the age categories of 45 to 74. However, for the age categories 75 and older, heart disease was the leading cause with cancer second. For all ages, heart disease (27.1%) comprised the leading cause of death followed closely by cancer (23.0%). Cerebrovascular disease (7.0%), C.O.P.D. (6.9%), and accidents (5.7%) were a distant third, fourth, and fifth, respectively.

Figure 25

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 1997

UNDER 1 YEAR of AGE
TOTAL = 73


16 (21 9%) CONGENITAL ANOMALIES
1 (1 4%) HEART DISEASE
14 (19 2%) OTHER CAUSES
1 (1.4%) CEREBROVASCULAR DISEASE
3 (4 1%) ACCIDENT
25 (34 2%) EARLY INFANCY
13 (17.8%) SUDDEN INFANT DEATH SYNDROME

1 - 4 YEARS of AGE
TOTAL = 27

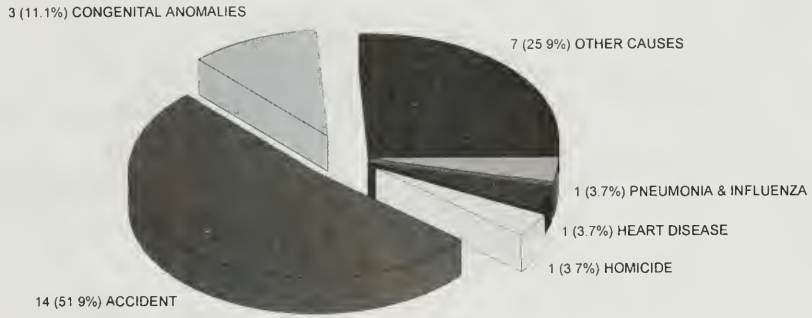
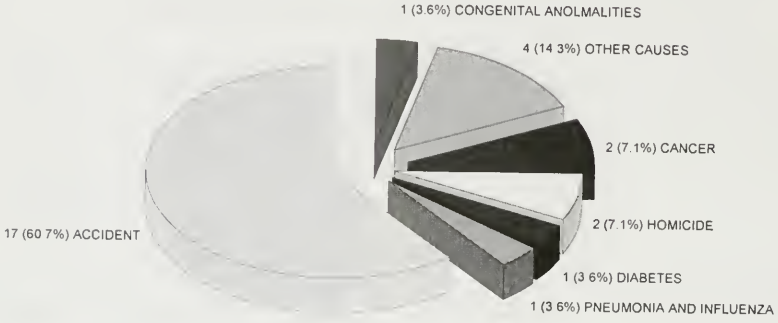


Figure 25

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 1997

5 - 14 YEARS of AGE
TOTAL = 28


1 (3.6%) CONGENITAL ANOLMALITIES
4 (14 3%) OTHER CAUSES
2 (7.1%) CANCER
2 (7.1%) HOMICIDE
1 (3 6%) DIABETES
1 (3 6%) PNEUMONIA AND INFLUENZA
17 (60 7%) ACCIDENT

15 - 24 YEARS of AGE
TOTAL = 135

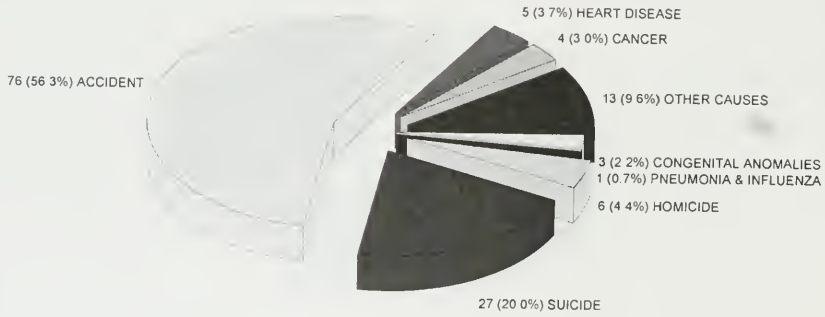
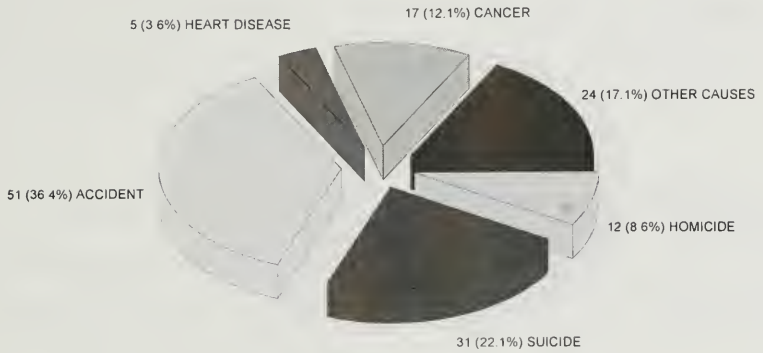

5 (3 7%) HEART DISEASE
4 (3 0%) CANCER
13 (9 6%) OTHER CAUSES
3 (2 2%) CONGENITAL ANOMALIES
1 (0.7%) PNEUMONIA & INFLUENZA
6 (4 4%) HOMICIDE
27 (20 0%) SUICIDE
76 (56 3%) ACCIDENT

Figure 25

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 1997

25 - 34 YEARS of AGE
TOTAL = 140



35 - 44 YEARS of AGE
TOTAL = 258

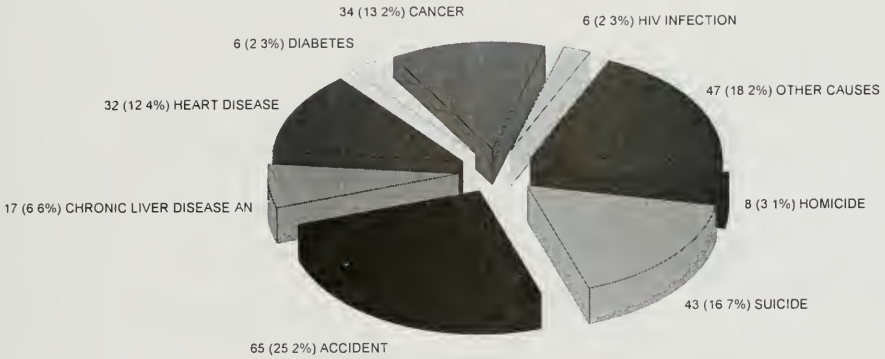
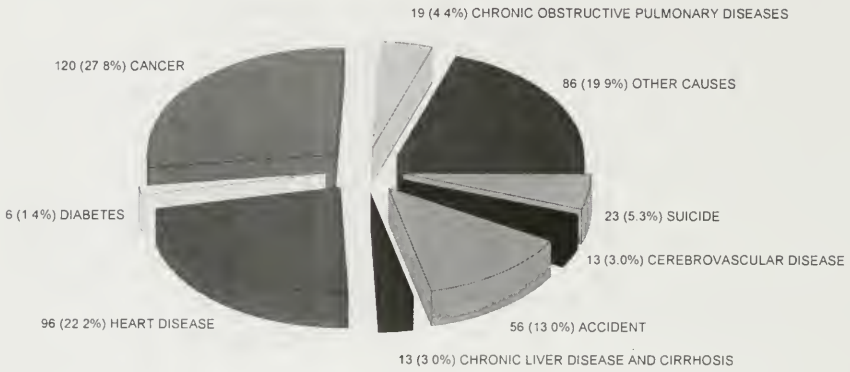

34 (13 2%) CANCER
6 (2 3%) HIV INFECTION
6 (2 3%) DIABETES
47 (18 2%) OTHER CAUSES
32 (12 4%) HEART DISEASE
17 (6 6%) CHRONIC LIVER DISEASE AN
8 (3 1%) HOMICIDE
43 (16 7%) SUICIDE
65 (25 2%) ACCIDENT

Figure 25

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 1997

45 - 54 YEARS of AGE
TOTAL = 432


19 (4 4%) CHRONIC OBSTRUCTIVE PULMONARY DISEASES
120 (27 8%) CANCER
86 (19 9%) OTHER CAUSES
6 (1 4%) DIABETES
23 (5.3%) SUICIDE
13 (3.0%) CEREBROVASCULAR DISEASE
96 (22 2%) HEART DISEASE
56 (13 0%) ACCIDENT
13 (3 0%) CHRONIC LIVER DISEASE AND CIRRHOSIS

55 - 64 YEARS of AGE
TOTAL = 739

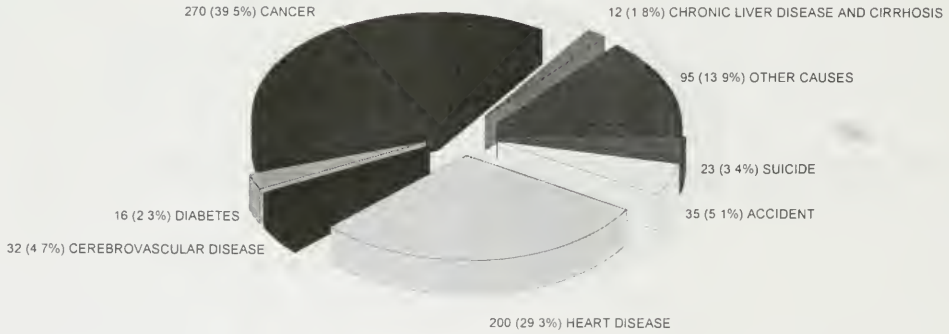
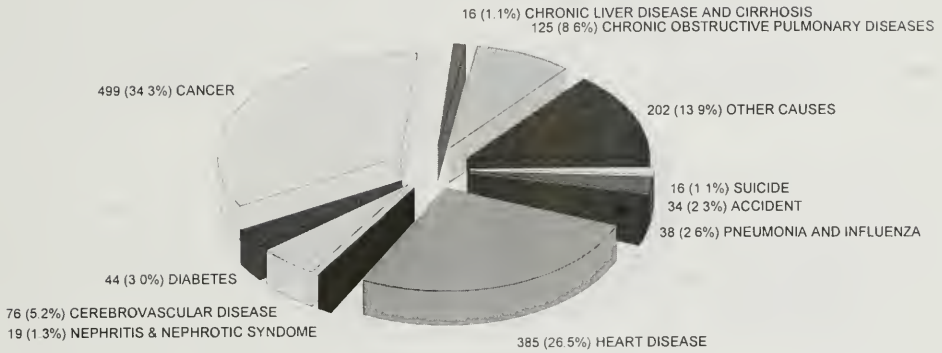

270 (39 5%) CANCER
12 (1 8%) CHRONIC LIVER DISEASE AND CIRRHOSIS
95 (13 9%) OTHER CAUSES
23 (3 4%) SUICIDE
16 (2 3%) DIABETES
35 (5 1%) ACCIDENT
32 (4 7%) CEREBROVASCULAR DISEASE
200 (29 3%) HEART DISEASE

Figure 25

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 1997

65 - 74 YEARS of AGE
TOTAL = 1,454


16 (1.1%) CHRONIC LIVER DISEASE AND CIRRHOSIS
125 (8 6%) CHRONIC OBSTRUCTIVE PULMONARY DISEASES
499 (34 3%) CANCER
202 (13 9%) OTHER CAUSES
16 (1 1%) SUICIDE
34 (2 3%) ACCIDENT
38 (2 6%) PNEUMONIA AND INFLUENZA
44 (3 0%) DIABETES
76 (5.2%) CEREBROVASCULAR DISEASE
19 (1 3%) NEPHRITIS & NEPHROTIC SYNDOME
385 (26.5%) HEART DISEASE

75 - 84 YEARS of AGE
TOTAL = 2,309

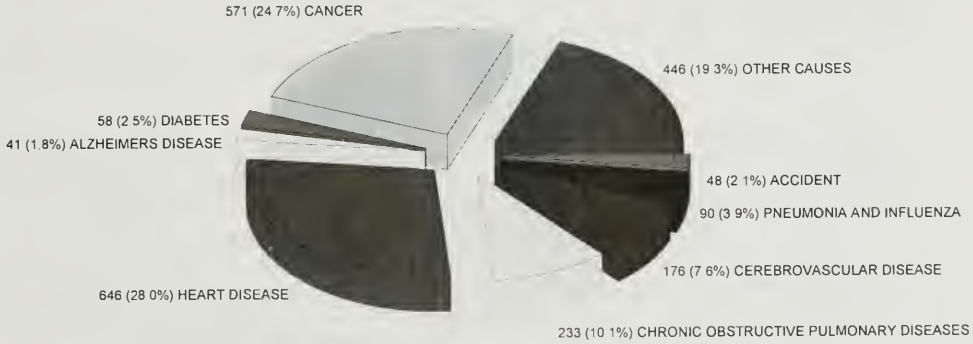

571 (24 7%) CANCER
446 (19 3%) OTHER CAUSES
58 (2 5%) DIABETES
41 (1.8%) ALZHEIMERS DISEASE
48 (2 1%) ACCIDENT
90 (3 9%) PNEUMONIA AND INFLUENZA
176 (7 6%) CEREBROVASCULAR DISEASE
646 (28 0%) HEART DISEASE
233 (10 1%) CHRONIC OBSTRUCTIVE PULMONARY DISEASES

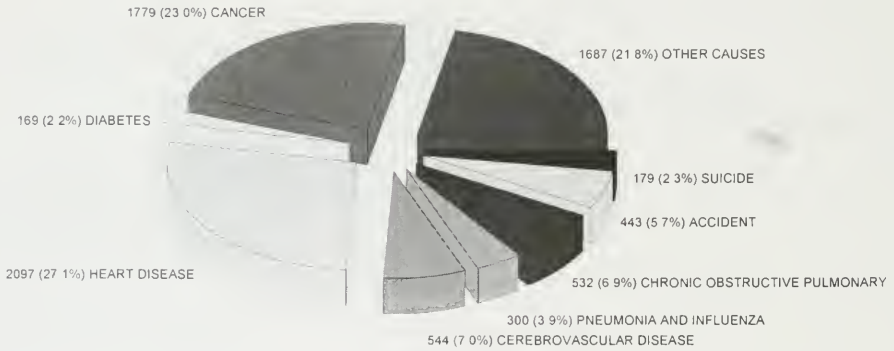
Figure 25

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 1997

85 YEARS OF AGE OR MORE
TOTAL = 2,135

262 (12.3%) CANCER
579 (27 1%) OTHER CAUSES
37 (1.7%) ALZHEIMERS DISEASE
44 (2.1%) ACCIDENT
152 (7 1%) PNEUMONIA AND INFLUENZA
726 (34 0%) HEART DISEASE
237 (11 1%) CEREBROVASCULAR DISEASE
98 (4 6%) CHRONIC OBSTRUCTIVE PULMONARY DISEASES

ALL AGES
TOTAL = 7,730


1779 (23 0%) CANCER
1687 (21 8%) OTHER CAUSES
169 (2 2%) DIABETES
179 (2 3%) SUICIDE
443 (5 7%) ACCIDENT
2097 (27 1%) HEART DISEASE
532 (6 9%) CHRONIC OBSTRUCTIVE PULMONARY
300 (3 9%) PNEUMONIA AND INFLUENZA
544 (7 0%) CEREBROVASCULAR DISEASE

YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes diseases that affect older ages, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the "premature years of potential life lost" calculation, which is easily understood and is used by the Center for Disease Control (CDC). For each decedent younger than 65, the age at death is subtracted from 65. The results are summed by cause of death. This measure is referred to here as YPLL-65.

Figure 26, on the following page, represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. All Montanans who died in 1997 are reflected in this figure. Frequencies for the ten leading causes of death for Montana residents are reported in **Table 29** (page 97-42 through 97-49). The ten leading causes are heart disease--27.1% of all resident deaths; cancer--23.0%; cerebrovascular disease--7.2%; chronic obstructive pulmonary disease (C.O.P.D.)--6.9%; accidents--5.7%; pneumonia and influenza--3.9%; suicide--2.3%; diabetes--2.2%; nephritis, nephrotic syndrome and nephrosis--1.3%; and Alzheimer's disease--1.0%.

An alternative perspective, YPLL-65, is reflected in **Figure 27**, also on the next page. Accidents, cancer, heart disease, and suicide comprise almost two-thirds of the total loss, as measured by YPLL-65. Society's loss includes a loss of emotional and financial support for families of the decedents and productivity for the economy as a whole. The decedents, of course, lose life itself.

In 1997, the total loss of life before age 65 was 35,765 years. The loss to society resulting from all accidental deaths was 9,998 years, more than one quarter of total YPLL for 1997. Motor vehicle accidents alone account for a loss of 6,384 years (17.8%), the single greatest loss for all the categories shown. Cancer, suicide and heart disease also caused large losses to society, accounting for 4,862 years (13.6%), 3,931 years(11.0%) and 3,751 years (10.5%), respectively.

Regardless of which of these two perspectives is used, heart disease and cancer cause a large social loss because of the numbers of deaths they cause, both in the total population and the population under age 65. The YPLL-65 perspective, however, reorders the ranking of the leading causes of death, highlighting areas which the CDC has said "provide the greatest potential for health improvement." Accidental death was only the fifth most frequent cause of death using frequency of death, but ranks first in terms of YPLL-65, indicating that accidental deaths are prevalent in those less than 65 years of age and cause great losses to society due to premature death. Suicide, using frequency of death, ranked seventh, but became the third leading cause when measured with YPLL-65.

Figure 26

FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 1997

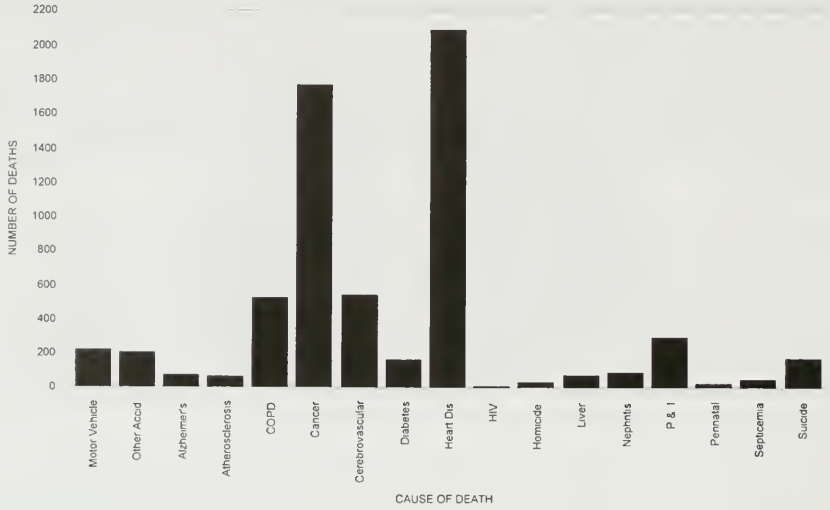
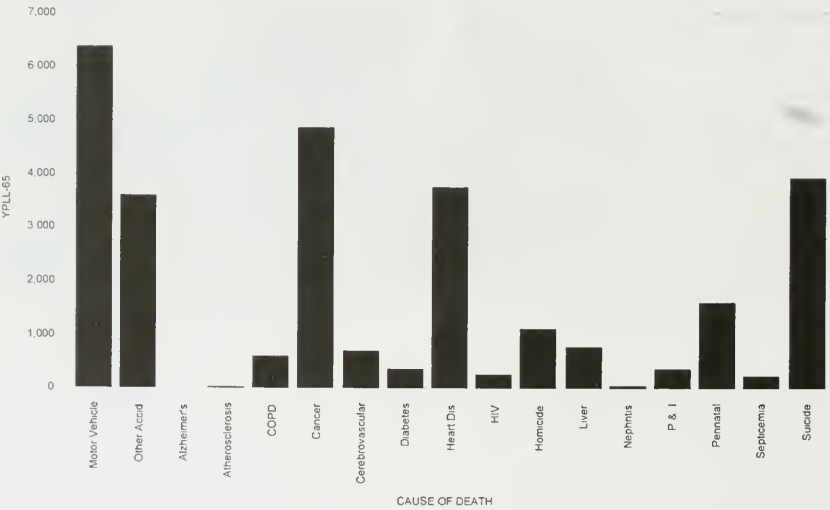


Figure 27

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65
BY CAUSE OF DEATH
MONTANA RESIDENTS, 1997



Average YPLL-65 is calculated by dividing the YPLL-65 for each cause of death by the number of deaths for each cause to decedents less than 65 years of age. While total YPLL-65 emphasizes the loss to society in terms of years of lost life, average YPLL-65 emphasizes the loss to the individual. This measure is shown in **Figure 28**.

Conditions originating in the perinatal period create the greatest loss to an individual (65 years lost). External causes, including motor vehicle accidents (32.7 years) homicide (31.2), other accidents (29.6), and suicide (26.7). create the next largest losses to individuals, ranking second, third, forth and sixth, respectively. HIV also has a relatively high loss of years ranking fifth with 27.6 years lost per individual.

Figure 28

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65
BY CAUSE OF DEATH
MONTANA RESIDENTS, 1997

Figure 29 summarizes age at death and YPLL-65 for these same 17 causes of death. The left side of the table shows YPLL-65 and related measures--i.e. measures referring to the number of decedents in the nine-year period who died before the age of 65. The right side of the table shows measures referring to all decedents, regardless of age. Causes of death are shown in descending order of average years of life lost before age 65.

Figure 29

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65
BY CAUSE OF DEATH
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1989 - 1997

CAUSE OF DEATH	AVERAGE YPLL- 65	NUMBER OF DECEDENTS YOUNGER THAN 65	TOTAL YPLL-65	MEDIAN AGE	MEAN AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
Certain Conditions Arising in the Perinatal Period	64.7	274	17,741	0	0.3	2.5	274
Motor Vehicle Accidents	33.8	1,471	49,701	33	37.9	20.8	1,732
Homicide and Legal Intervention	33.5	315	10,563	33	34.2	17.5	338
Non-Motor-Vehicle Accidents	31.2	1,053	32,862	53	53.8	28.0	1,788
Suicide	28.2	1,176	33,174	42	45.4	20.5	1,506
HIV Infection	27.1	149	4,034	37	38.8	11.0	153
Pneumonia & Influenza	19.3	186	3,590	85	82.1	14.3	2,412
Septicemia	19.1	69	1,319	79	76.0	16.8	436
Nephritis, Nephrotic Syndrome, and Nephrosis	15.4	44	676	81	79.4	12.2	572
Liver Disease & Cirrhosis	14.6	429	6,284	60	59.6	14.1	706
Diabetes Mellitus	13.0	344	4,460	75	73.1	14.0	1,641
Cerebrovascular Disease	12.0	430	5,152	82	80.1	12.1	4,727
Cancer	11.2	4,132	46,483	72	70.7	13.3	15,373
Heart Disease	10.4	2,803	29,051	79	77.2	13.1	18,066
Atherosclerosis	9.4	62	585	84	82.2	12.2	703
C.O.P.D.	7.6	530	4,035	76	75.2	10.0	4,210
Alzheimer's Disease	5.6	14	78	85	84.5	8.1	840

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. One quarter of the infants are at or under the weight at the *25th percentile*. Standard deviation is the algebraic dispersion around the mean.

In general, average YPLL-65 was highest when median age was lowest and vice versa. There were notable exceptions, however, because average YPLL-65 is influenced by both the age at which decedents died and the number of decedents under age 65 in the cause-of-death category in question. For instance, Alzheimer's had the lowest associated YPLL-65, 5.6 years, and the highest associated median age, 85 years. Those dying of pneumonia and influenza also had a median age of 85 years but an average YPLL-65 of 19.3 years, a value which ranked roughly in the middle of the values shown for that measure.

Average YPLL-65 was highest for those dying of conditions arising in early infancy. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer or hearth disease, relatively few residents died of conditions arising in early infancy, but nearly all of them contributed the maximum number of years (65) to total YPLL-65.

The "external" causes of death--motor vehicle accidents, homicide and legal intervention, non-motor-vehicle accidents, and suicide--ranked next in terms of average YPLL-65. While relatively few died of these causes (compared to cancer or heart disease), those decedents tended to be fairly young or middle aged.

Cancer and heart disease killed large numbers of people. However, their victims tended, on average, to be elderly, producing relatively low average YPLL-65 measures.

CANCER INCIDENCE AND PREVALENCE

CANCER INCIDENCE BY PRIMARY SITE

All 1997 data contained in this section are reported as of August 31, 1998. Montana's 1997 cancer incidence reporting was approximately 77% completed as this date with 2,941 new cancer diagnoses having been reported for 1997. For this reason, many multi-year comparisons exclude 1997. The expected number of Montana cancer cases for 1997 is 3,843. Estimates of Montana's expected cancer cases are based on Montana's population adjusted to the national Surveillance, Epidemiology, and End Results (SEER) rates to estimate age-specific expected cases. The age-specific rates are totaled to determine yearly estimated cancer cases expected.

Table 32 (page 97-62) shows reported incidence of cancer for Montana residents diagnosed in 1997. The table shows cancer incidence by sex and by primary site -- the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the female breast (16% of all cancer diagnoses), the prostate (13%), the lung and bronchus (13%), the colon (9%), the urinary bladder (4%), Hodgkin's and Non-Hodgkin's Lymphoma (4%) and the rectum and rectosigmoid (3%). Invasive cervical cancer accounted for 1% of cancer diagnoses (4.5% for both in-situ and malignant) for Montanans for 1997. However, 101 of the 136 cervical cancers were *in-situ*--that is, non-invasive.

Table 33 (page 97-63) shows the incidence of cancer by the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 65 or older. Diagnoses of breast cancer in women generally began in their early thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 1997, Montanans diagnosed with cancer of the lung and bronchus or the urinary bladder were most likely to be men aged 55 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 60 years of age or more. The distribution of 1997 cancer diagnoses by site, sex and county of residence is shown in **Table 34** (page 97-64) for the 10 most frequently diagnosed primary sites.

Figures 30, 32, 34, and 36 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer. The stage of disease is recorded at the time of diagnosis and is not updated as the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 31, 33, 35, and 37 show the five-year relative survival rates for these same cancers, comparing Montana and the United Stages. The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to eliminate the effect of death from other causes, so that only cancer survival is measured.

PROSTATE CANCER

Prostate cancer was the most common cancer in men in Montana and the United States with 384 cases reported for 1997 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 1997, 151 Montana residents died of prostate cancer, making it the third leading cause of cancer deaths.

Figure 30 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1988 through 1997. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. In 1997, 55% of prostate cancers were diagnosed at a local stage. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 17% in 1988 to 5% in 1997. The Prostate-specific antigen (PSA) test has been useful in detecting prostate cancer at earlier stages.

Figure 30

DIAGNOSIS OF PROSTATE CANCER
MONTANA RESIDENTS, 1988-1997

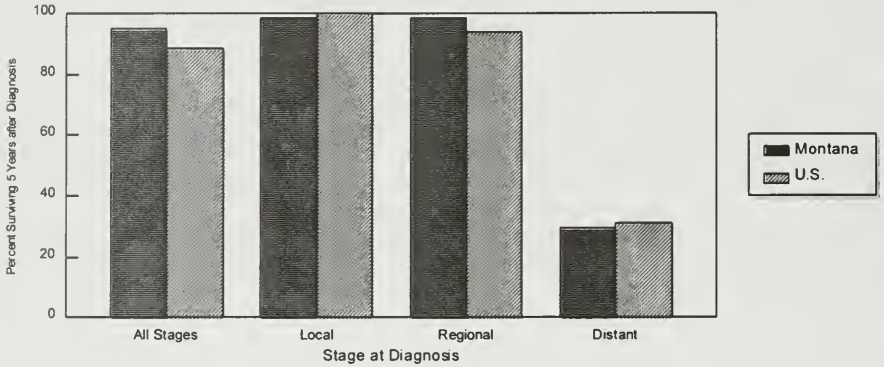
Year of Diagnosis	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Number of Cases Diagnosed	448	468	536	611	792	774	612	672	578	384
Percent Stage at Diagnosis*										
In-Situ	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
Local	52%	62%	63%	54%	60%	60%	65%	63%	57%	55%
Regional	13%	12%	14%	17%	19%	20%	16%	14%	18%	12%
Distant	17%	12%	10%	10%	7%	7%	6%	4%	4%	5%
Unknown	18%	13%	13%	20%	13%	13%	13%	19%	21%	27%

* Percents may not add to 100% because of rounding.

Figure 31, on the next page, shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. About 99% of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 30% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the third leading cause of cancer deaths among Montanans in 1997.

Figure 31

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR PROSTATE CANCER
MONTANA AND THE UNITED STATES, 1988-1997



Prostate cancer is generally treated with surgery or radiation. Almost 50% of patient's diagnosed with prostate cancer have surgery (prostatectomy) within four months after diagnosis. Patients with early stage prostate cancer often opt for no treatment as a "watch-and-wait" method of treatment, but these patients must be watched closely by their physician. About 25% of prostate cancer patients are treated with radiation. Almost 20% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women for 1997, with 471 cases reported as diagnosed. It was the underlying cause of death for 116 Montanans in 1997, making it the fourth most frequent cause of cancer deaths. Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 1997, 15% were diagnosed at an in-situ stage, 51% of breast cancers at a local stage, 29% at a regional stage, and 3% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 32**, on the next page. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at a regional stage has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. Breast self-examination (BSE) may detect about 60% of breast cancers. Patients who perform routine BSE find smaller lesions and it is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade.

Figure 32

DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1988-1997

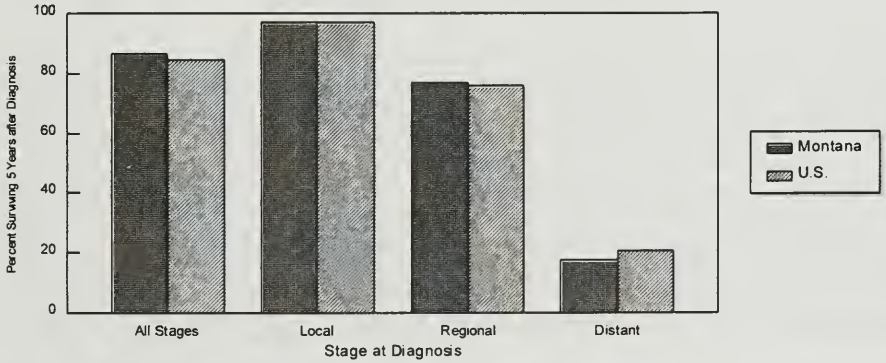
Year of Diagnosis		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Number of Cases Diagnosed	Males	2	1	2	3	5	8	6	2	3	6
	Females	498	507	525	545	592	661	619	664	696	465
Percent Stage at Diagnosis* In-Situ		4%	5%	4%	6%	9%	7%	10%	12%	12%	15%
Local		51%	56%	61%	56%	55%	59%	56%	57%	54%	51%
Regional		33%	28%	25%	27%	26%	25%	24%	22%	25%	29%
Distant		5%	4%	4%	4%	2%	3%	6%	4%	3%	3%
Unknown		7%	6%	6%	7%	8%	5%	4%	5%	6%	3%

* Percents may not add to 100% because of rounding.

Figure 33 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, this rate was almost 97% at the local stage; however diagnosis at a regional stage decreases five-year survival to almost 75% and if the cancer was diagnosed at a distant stage the proportion of five-year survival was 18%. Breast cancer is generally treated in a variety of ways. Almost 95% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 35% are treated with radiation. About 30% are treated with both surgery and radiation. About 25% of patients are treated with chemotherapy, hormonal therapy or both.

Figure 33

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1988-1997



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer) for 1997; 388 new cases have been reported for 1997. It was the underlying cause of death for 476 Montanans, making it the leading cause of cancer deaths. The incidence of lung cancer increased in males by more than 11% from 1988 to 1996; the percentage increase in women was more than twice as large (25%). The number of cases diagnosed and the stage at diagnosis for lung cancer diagnoses of Montanans are shown in **Figure 34**. In 1997, 42% of lung cancers were diagnosed at a distant stage and only 17% at a local stage. The stage was unknown or unstageable for almost 17% of lung cases in 1997. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage. About 85% of lung cancers are caused by cigarette smoking.

Figure 34

DIAGNOSIS OF LUNG CANCER
MONTANA RESIDENTS, 1988-1997

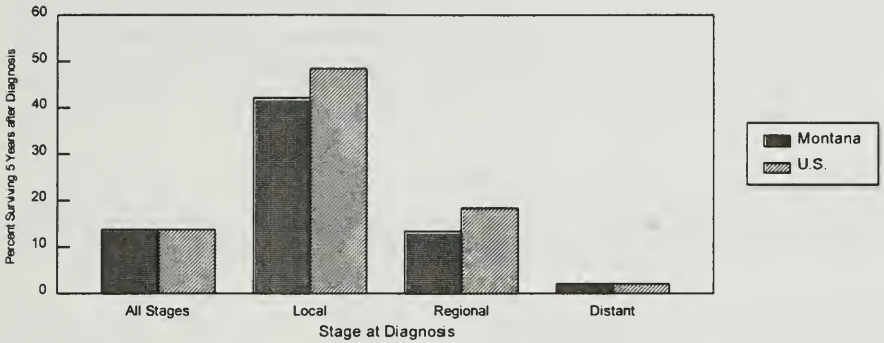
Year of Diagnosis		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Number of Cases Diagnosed	Males	293	266	278	303	307	308	316	328	326	215
	Females	174	162	169	195	203	211	227	217	218	173
Percent Stage at Diagnosis* In-Situ		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Local		22%	28%	27%	21%	21%	22%	22%	18%	20%	17%
Regional		24%	22%	22%	27%	25%	25%	24%	24%	22%	24%
Distant		40%	39%	32%	34%	39%	42%	38%	41%	40%	42%
Unknown		15%	11%	19%	17%	14%	10%	15%	18%	18%	17%

* Percents may not add to 100% because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few are diagnosed at an early stage. **Figure 35**, on the following page, shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Forty two percent of patients diagnosed at a localized stage survive five years; however, only 13% survive five years if diagnosed at a regional stage and less than 2% if diagnosed at a distant stage. Treatment methods for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 25% of patients with lung cancer are treated with surgery and almost 40% are treated with radiation. Chemotherapy is given to about 35% of patients. A cough is the most common symptom of a lung cancer, but since most smokers cough, the diagnosis may be delayed.

Figure 35

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR LUNG CANCER MONTANA AND THE UNITED STATES, 1988-1997



COLORECTAL CANCER

Colorectal cancer was the fourth most common malignancy in Montanans for 1997; there were 348 cases diagnosed and 180 deaths caused by colorectal cancer in 1997. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as "colorectal" cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 36** shows the frequency and stage at diagnosis for cancers of the colon and rectum. In 1997, 36% were diagnosed at a local stage, 38% at a regional stage, and 16% at a distant stage.

Figure 36

DIAGNOSIS OF COLORECTAL CANCER MONTANA RESIDENTS, 1988-1997

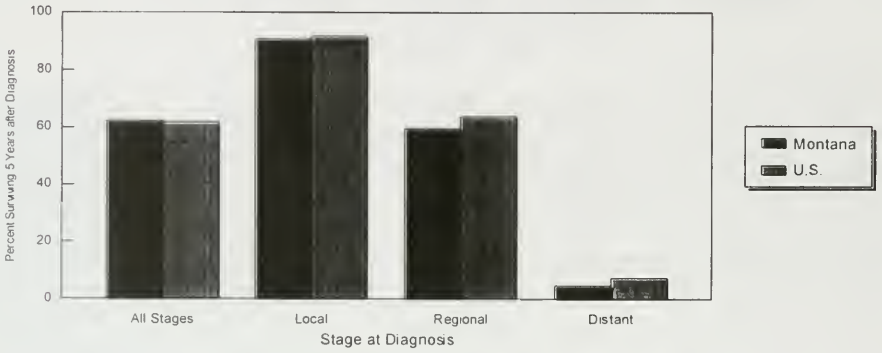
Year of Diagnosis		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Number of Cases Diagnosed	Males	243	222	237	248	220	227	223	222	241	180
	Females	215	195	202	207	191	204	218	214	199	168
Percent Stage at Diagnosis* In-Situ		2%	2%	3%	3%	2%	2%	2%	3%	3%	4%
Local		33%	41%	40%	40%	40%	34%	39%	34%	37%	36%
Regional		42%	35%	32%	32%	35%	40%	36%	39%	40%	38%
Distant		16%	15%	14%	17%	16%	16%	14%	15%	12%	16%
Unknown		7%	6%	11%	9%	8%	8%	8%	9%	8%	6%

* Percents may not add to 100% because of rounding.

Figure 37 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is almost 91%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 60%. Colorectal cancer is mostly treated with surgery or chemotherapy or both. Almost 90% of patients with colorectal cancer are treated with surgery and about 25% are treated with chemotherapy. The use of chemotherapy to treat colorectal cancer has increased from about 10% to 25% in the last ten years. A very small percentage (less than 10%) are treated with radiation.

Figure 37

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR COLORECTAL CANCER MONTANA AND THE UNITED STATES, 1988-1997



References:

SEER Cancer Statistics Review, 1973-1994, National Institutes of Health, National Cancer Institute.
Practical Oncology a Lange Clinical Manual, Robert B. Cameron, MD, 1994.
Clinical Oncology, Second Edition, American Cancer Society, 1995.

INDUCED ABORTIONS

Induced terminations of pregnancy (abortions) have been reported to the department since July 1, 1974, when the Montana Abortion Control Act was implemented. The states no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete.

From 1980 through 1997, the Montana ratio of occurrences of abortions per 1,000 occurrences of live births has ranged from a low of 236.6 (in 1993) to a high of 295.6 (in 1983). This ratio was 261.8 in 1997. These ratios exhibit a statistically unstable trend and little can be said about direction of the trend.

Table 17 (page 97-35) displays Montana occurrence abortions by total previous pregnancies and number of previous induced abortions for 1997.

The frequency of induced abortion in 1997 is displayed by age of patient (**Table 18** - page 97-35) and by gestational age and procedure used for termination (**Table 19** - page 97-36).

Table 19A (page 97-36) displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

There were no deaths, attributable to the procedure of abortion, of women receiving abortions in Montana in 1997. Such has been the case in Montana since 1974.

Eight of the 2,809 procedures performed in Montana in 1997 resulted in reported complications: one hemorrhage, three infections, two retained products, one uterine perforation with cervical laceration, and one unclassified complication.

MARRIAGE

While there was a slight increase in Montana's marriage rate in 1997, the long-term trend in marriage rates in both Montana and the United States has been in decline since 1980 (see **Figure 38**). Currently, the Montana marriage rate is similar to that of the late 1960's.

Figure 38

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1963-1997

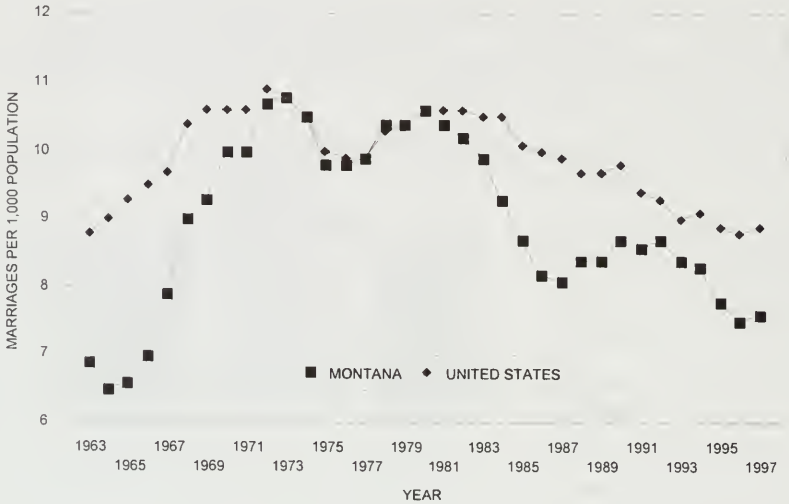


Table 22 (page 97-39) shows the frequency of marriage by month. In the 1990's, approximately 60% of the marriages solemnized in Montana occurred during the summer and fall months (June through October).

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table 23** (page 97-39). Median ages of brides and grooms for the previous five years are shown in **Table 25** (page 97-40). The median age of all brides in 1997 was 27 years and that of all grooms was 29.

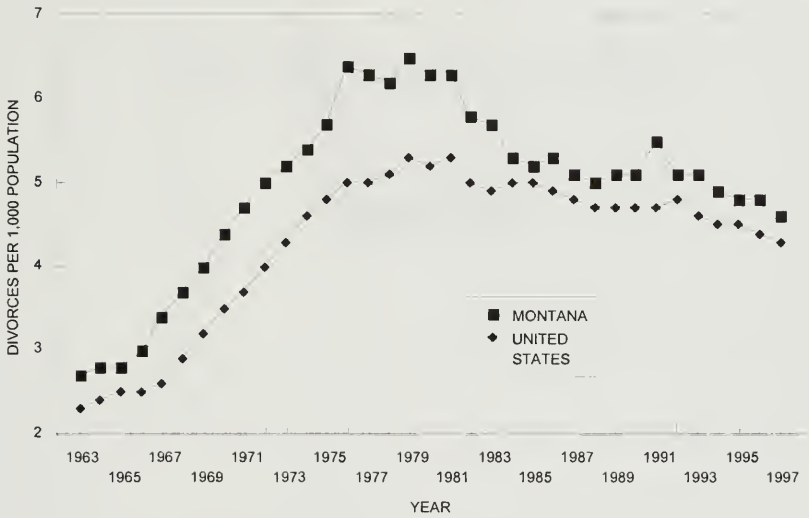
Nearly 63% of the grooms and more than 60% of the brides married for the first time in 1997. The frequency of first marriages (for both bride and groom) is presented in **Table 24** (page 97-40) by age of bride and groom. In 1997, about half of those marrying for the first time, and marrying a first-time bride or groom, were in the same five-year age group as their spouse.

MARITAL TERMINATION

The trend in marital termination for Montana has been roughly parallel to the national trend since 1963, as **Figure 39** shows, although the Montana rates have been consistently higher.

Figure 39

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1963-1997



The number of marital terminations shown in **Table 20** (page 97-37) is the number of marital dissolutions (previously called divorces) plus the number of invalid marriages (previously called annulments). The rate of marital terminations per 1,000 population is shown in **Table 21** (page 97-38). The rate of marital termination decreased from 5.3 in 1986 to 4.6 in 1997.

Table 29 (pages 97-42 through 97-49) shows the frequency and rate of marital termination by county of occurrence.

Table 28 (page 97-41) shows the frequency of marital termination by the number of minor children in the household and the age of the wife. In 1997, 3,921 minors were living in a household where a divorce occurred. This number has been in decline since 1991.

1997

MONTANA

VITAL STATISTICS

TABLES

SYMBOLS USED IN THESE TABLES

Quantity is zero	-
Rate or percent is less than 0.05	0.0
Data are not available	---

MONTANA VITAL STATISTICS TABLES

1997

TABLE NO.	CONTENTS	PAGE
1	Frequency and Rate or Ratio of Death, Live Birth, and Fetal, Infant, and Maternal Death by Year - Montana, 1910-1997	97-1
2	State Population by County - Montana, 1997, 1990 and 1980	97-2
3	Frequency of Death, Live Birth, and Fetal, Infant, and Maternal Death by County of Occurrence and County of Residence - Montana, 1997	97-3
4	Frequency of Death, Live Birth and Fetal Death by Race and by County of Residence - Montana, 1997	97-4
5	Frequency and Percent Distribution of Births by Infant's Sex, Legitimacy, Plurality, and Parity - Montana Residents 1990-1997	97-5
6	Frequency and Percent Distribution of Live Births by Type of Facility or Attendant and by County of Occurrence - Montana, 1997	97-6
7	Frequency and Percent Distribution of Live Births by Birthweight and County of Residence - Montana, 1997	97-7
8	Frequency and Percent Distribution of Live Births to Montana Residents Delivering in Montana by Number of Children Born Alive and by Years of Education of Mother - Montana, 1997	97-8
9	Frequency of Death by Sex, Race, and Cause - Montana Residents, 1997	97-9
10	Frequency of Death by Age, Sex and Cause - Montana Residents, 1997	97-19
11	Frequency of Accidental Death by Age and Type of Accident - Percent of deaths in Each Age Group That Were Accidental - Montana Occurrences, 1997	97-28
12	Frequency of Death from Selected Causes by County of Residence - Montana 1997	97-29
13	Frequency of Infant Mortality by Age, Race, and County of Residence - Five-Year Infant Mortality Rate by County of Residence - Montana, 1997	97-30
14	Frequency of Infant Mortality from Selected Causes by Age and Race - Montana Residents, 1997	97-31

TABLE NO.	CONTENTS	PAGE
15	Frequency and Rate of Death from Selected Communicable Diseases by Year - Montana, 1910-1997	97-32
16	Frequency and Rate of Death from Selected Causes by Year - Montana, 1910-1997	97-34
17	Frequency of Induced Abortion by Number of Previous Induced Abortions and Number of Previous Pregnancies - Montana Occurrences, 1997	97-36
18	Frequency of Induced Abortion by Age of Patient - Montana Occurrences, 1997	97-36
19	Frequency of Induced Abortion by Completed Week of Gestation and Primary Procedure - Montana Occurrences, 1997	97-37
19a	Frequency of Induced Abortion by County of Residence and County of Occurrence - Montana, 1997	97-37
20	Frequency of Marriage and Marital Termination - Marriage Licenses Issued, Marriages Solemnized, Marital Dissolutions, and Marriages Invalidated by County of Occurrence - Montana, 1997	97-38
21	Frequency and Rate of Marriage and Marital Termination by Year -Montana Occurrences, 1944-1997	97-39
22	Frequency and Percent Distribution of Marriages by Month of Occurrence - Montana, 1997	97-40
23	Frequency of Marriage by Previous Marital Status and Age of Bride and by Previous Marital Status and Age of Groom - Montana Occurrences, 1997	97-40
24	Frequency of First Marriage by Age of Bride and Age of Groom - Montana Occurrences, 1997	97-41
25	Median Ages of Brides and Grooms - Montana Occurrences, 1993-1797	97-41
26	Frequency of Marital Termination by Type and by Legal Grounds for Decree - Montana Occurrences, 1997	97-41
27	Frequency of Marital Termination by Age of Wife and Age of Husband - Montana Occurrences, 1997	97-42
28	Frequency of Marital Termination by Number of Minor Children in the Household and by Age of Wife - Montana Occurrences, 1997	97-42

TABLE NO.	CONTENTS	PAGE
29	Selected Vital Statistics - Frequencies and Rates or Ratios by County - Montana, 1997	97-43
30	Frequency and Percent Distribution of Births, Fetal Deaths, and Induced Abortions by Woman's Age and County of Residence - Montana, 1997	97-51
31a	Disease Summary for 1997	97-60
31b	Sexually Transmitted Diseases for 1997	97-61
31c	Other Diseases of Interest for 1997	97-62
32	Reported Neoplasms by Anatomical Site and Sex - Montana Residents, 1997 Diagnoses	97-63
33	Most Frequently Reported Neoplasms by Site, Sex, and Age - Montana Residents, 1997 Diagnoses	97-64
34	Most Frequently Reported Neoplasms by Site, Sex, and County of Residence - Montana Residents, 1997 Diagnoses	97-65

FREQUENCY AND RATE OR RATIO OF
DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH BY YEAR*
MONTANA, 1910-1997

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATH	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++
1910	376,053	3,999	10.6	6,124	16.3	NA	NA	714	116.6	62	1,012.4
1915	468,067	5,072	10.8	11,132	23.8	NA	NA	816	73.3	91	817.5
1920	548,339	5,289	9.6	11,862	21.6	NA	NA	862	72.7	104	876.7
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34.8	18	140.0
1947	539,200	5,760	10.7	15,086	28.0	238	15.8	484	32.1	16	106.1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10.2	15,366	26.8	231	15.0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15.4	448	27.2	8	48.5
1953	616,000	6,125	9.9	16,596	26.9	232	14.0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27.7	247	14.3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	23.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	-
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	-
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	-
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	-	-
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	6.9
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	28.5
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	7.1
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	-	-
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	15.7
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	-	-
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	8.6
1989	805,600	6,735	8.4	11,667	14.5	86	7.4	132	11.3	-	-
1990	799,065	6,835	8.6	11,602	14.5	78	6.7	106	9.1	-	-
1991	808,000	6,995	8.7	11,498	14.2	90	7.8	82	7.1	1	8.7
1992	823,700	7,067	8.6	11,468	13.9	84	7.3	85	7.4	-	-
1993	839,000	7,457	8.9	11,362	13.5	74	6.5	84	7.4	-	-
1994	856,240	7,331	8.6	11,062	12.9	52	4.7	82	7.4	-	-
1995	870,280	7,614	8.7	11,136	12.8	67	6.0	79	7.1	-	-
1996	879,370	7,686	8.7	10,840	12.3	58	5.4	75	6.9	1	9.2
1997	878,810	7,730	8.8	10,840	12.3	49	4.5	73	6.7	-	-

* DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 1,000 ESTIMATED MIDYEAR POPULATION. U S CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.
** PER 1,000 LIVE BIRTHS.
++ PER 100,000 LIVE BIRTHS

TABLE 2

STATE POPULATION BY COUNTY
MONTANA, 1997, 1990 AND 1980

COUNTY	1997 ESTIMATED POPULATION*	1990 U.S. CENSUS ENUMERATION	1980 U.S. CENSUS ENUMERATION
MONTANA, TOTAL	878,810	799,065	786,690
BEAVERHEAD	9,010	8,424	8,186
BIG HORN	12,620	11,337	11,096
BLAINE	7,080	6,728	6,999
BROADWATER	4,080	3,318	3,267
CARBON	9,430	8,080	8,099
CARTER	1,500	1,503	1,799
CASCADE	79,130	77,691	80,696
CHOUTEAU	5,240	5,452	6,092
CUSTER	12,120	11,697	13,109
DANIELS	2,060	2,266	2,835
DAWSON	9,050	9,505	11,805
DEER LODGE	10,000	10,278	12,518
FALLON	3,040	3,103	3,763
FERGUS	12,500	12,083	13,076
FLATHEAD	71,710	59,218	51,966
GALLATIN	61,110	50,463	42,865
GARFIELD	1,440	1,589	1,656
GLACIER	12,690	12,121	10,628
GOLDEN VALLEY	1,050	912	1,026
GRANITE	2,630	2,548	2,700
HILL	17,540	17,654	17,985
JEFFERSON	9,880	7,939	7,029
JUDITH BASIN	2,320	2,282	2,646
LAKE	25,340	21,041	19,056
LEWIS & CLARK	53,250	47,485	43,039
LIBERTY	2,390	2,295	2,329
LINCOLN	18,770	17,481	17,752
MCCONE	2,040	2,276	2,702
MADISON	6,900	5,989	5,448
MEAGHER	1,810	1,819	2,154
MINERAL	3,730	3,315	3,675
MISSOULA	88,820	78,687	76,016
MUSSELSHELL	4,610	4,106	4,428
PARK	15,910	14,562	12,869
PETROLEUM	520	519	655
PHILLIPS	4,900	5,163	5,367
PONDERA	6,430	6,433	6,731
POWDER RIVER	1,910	2,090	2,520
POWELL	7,070	6,620	6,958
PRAIRIE	1,340	1,383	1,836
RAVALLI	34,550	25,010	22,493
RICHLAND	10,190	10,716	12,243
ROOSEVELT	11,120	10,999	10,467
ROSEBUD	10,210	10,505	9,899
SANDERS	10,250	8,669	8,675
SHERIDAN	4,340	4,732	5,414
SILVER BOW	34,440	33,941	38,092
STILLWATER	7,840	6,536	5,598
SWEET GRASS	3,400	3,154	3,216
TETON	6,340	6,271	6,491
TOOLE	4,820	5,046	5,559
TREASURE	840	874	981
VALLEY	8,300	8,239	10,250
WHEATLAND	2,330	2,246	2,359
WIBAUX	1,110	1,191	1,476
YELLOWSTONE	125,770	113,419	108,035
YELLOWSTONE PARK	40	52	66

* POPULATION ESTIMATES, PROVIDED BY THE U.S. BUREAU OF THE CENSUS, WERE ROUNDED TO THE NEAREST TEN FOR ALL LOCATIONS EXCEPT YELLOWSTONE PARK.

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY	DEATHS		LIVE BIRTHS		TAL DEATHS		INFANT DEATHS		MATERNAL DEATH	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA, TOTAL	7,754	7,730	10,731	10,840	48	49	68	73	-	-
BEAVERHEAD	100	93	86	99	1	1	-	-	-	-
BIG HORN	84	107	306	253	3	2	1	4	-	-
BLAINE	17	54	1	112	-	-	1	1	-	-
BROADWATER	30	41	-	46	-	1	-	-	-	-
CARBON	88	99	32	78	-	-	-	-	-	-
CARTER	16	18	-	13	-	-	-	-	-	-
CASCADE	885	748	1,357	1,071	4	-	19	8	-	-
CHOUTEAU	42	56	-	45	-	1	-	-	-	-
CUSTER	174	153	222	132	1	1	-	-	-	-
DANIELS	24	30	3	13	-	-	-	1	-	-
DAWSON	101	99	71	77	-	-	1	1	-	-
DEER LODGE	98	124	49	105	1	3	-	-	-	-
FALLON	30	33	20	29	-	-	-	-	-	-
FERGUS	165	171	136	119	1	1	1	1	-	-
FLATHEAD	581	591	973	904	6	5	4	7	-	-
GALLATIN	271	292	776	743	2	2	2	2	-	-
GARFIELD	15	12	-	22	-	-	-	-	-	-
GLACIER	78	124	222	242	3	3	2	5	-	-
GOLDEN VALLEY	1	9	-	11	-	-	-	-	-	-
GRANITE	28	35	1	42	-	-	-	-	-	-
HILL	156	154	382	266	1	1	1	1	-	-
JEFFERSON	49	57	2	98	-	1	-	-	-	-
JUDITH BASIN	8	23	1	24	-	-	-	-	-	-
LAKE	180	225	159	304	1	3	2	2	-	-
LEWIS & CLARK	405	371	745	653	2	-	2	3	-	-
LIBERTY	27	26	31	27	-	-	-	-	-	-
LINCOLN	142	162	125	188	-	1	1	1	-	-
MCCONE	14	20	-	19	-	-	-	-	-	-
MADISON	59	65	11	70	-	-	-	2	-	-
MEAGHER	17	16	-	26	-	-	-	-	-	-
MINERAL	35	28	4	40	-	-	-	-	-	-
MISSOULA	799	625	1,403	992	7	5	8	8	-	-
MUSSELSHELL	44	62	2	51	-	1	1	2	-	-
PARK	137	143	207	178	1	1	-	-	-	-
PETROLEUM	2	5	-	7	-	-	-	-	-	-
PHILLIPS	34	46	1	47	-	-	-	-	-	-
PONDERA	64	76	20	77	-	-	-	2	-	-
POWDER RIVER	24	27	-	13	-	-	-	-	-	-
POWELL	49	61	23	57	-	-	-	-	-	-
PRAIRIE	10	18	-	12	-	-	-	-	-	-
RAVALLI	264	312	224	385	1	1	2	1	-	-
RICHLAND	108	114	154	135	-	-	1	1	-	-
ROOSEVELT	61	86	180	212	-	1	2	2	-	-
ROSEBUD	57	79	7	179	1	2	3	3	-	-
SANDERS	91	125	42	105	-	-	-	1	-	-
SHERIDAN	63	68	21	30	1	-	-	-	-	-
SILVER BOW	438	434	514	402	-	-	2	3	-	-
STILLWATER	59	58	46	84	-	1	-	-	-	-
SWEET GRASS	33	44	4	34	-	-	-	-	-	-
TETON	54	74	2	65	-	1	-	-	-	-
TOOLE	55	57	91	68	1	1	-	-	-	-
TREASURE	3	5	-	7	-	-	-	-	-	-
VALLEY	79	88	107	100	2	3	-	-	-	-
WHEATLAND	22	27	-	21	-	-	-	2	-	-
WIBAUX	11	16	-	13	-	-	-	-	-	-
YELLOWSTONE	1,273	1,044	1,968	1,694	8	6	12	9	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	1	-	-	-	-	-	-

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
			NATIVE				NATIVE				NATIVE	
	TOTAL	WHITE	AMERICAN	OTHER	TOTAL	WHITE	AMERICAN	OTHER	TOTAL	WHITE	AMERICAN	OTHER
MONTANA, TOTAL	7,730	7,374	333	23	10,840	9,391	1,290	159	49	40	9	-
BEAVERHEAD	93	91	2	-	99	99	-	-	1	1	-	-
BIG HORN	107	56	50	1	253	55	193	5	2	-	2	-
BLAINE	54	37	17	-	112	41	71	-	-	-	-	-
BROADWATER	41	41	-	-	46	44	1	1	1	1	-	-
CARBON	99	98	-	1	78	77	1	-	-	-	-	-
CARTER	18	18	-	-	13	13	-	-	-	-	-	-
CASCADE	748	727	18	3	1,071	960	81	30	-	-	-	-
CHOUTEAU	56	54	2	-	45	44	1	-	1	1	-	-
CUSTER	153	153	-	-	132	126	5	1	1	1	-	-
DANIELS	30	30	-	-	13	9	3	1	-	-	-	-
DAWSON	99	99	-	-	77	74	3	-	-	-	-	-
DEER LODGE	124	120	3	1	105	102	3	-	3	3	-	-
FALLON	33	33	-	-	29	28	1	-	-	-	-	-
FERGUS	171	170	1	-	119	118	1	-	1	1	-	-
FLATHEAD	591	582	9	-	904	873	19	12	5	5	-	-
GALLATIN	292	290	-	2	743	719	14	10	2	2	-	-
GARFIELD	12	12	-	-	22	21	1	-	-	-	-	-
GLACIER	124	61	62	1	242	68	174	-	3	-	3	-
GOLDEN VALLEY	9	9	-	-	11	11	-	-	-	-	-	-
GRANITE	35	35	-	-	42	40	1	1	-	-	-	-
HILL	154	133	20	1	266	169	94	3	1	1	-	-
JEFFERSON	57	56	1	-	98	93	3	2	1	1	-	-
JUDITH BASIN	23	23	-	-	24	23	1	-	-	-	-	-
LAKE	225	192	32	1	304	198	104	2	3	1	2	-
LEWIS & CLARK	371	363	8	-	653	609	31	13	-	-	-	-
LIBERTY	26	26	-	-	27	27	-	-	-	-	-	-
LINCOLN	162	161	-	1	188	182	3	3	1	1	-	-
MCCONE	20	20	-	-	19	19	-	-	-	-	-	-
MADISON	65	64	1	-	70	69	-	1	-	-	-	-
MEAGHER	16	16	-	-	26	26	-	-	-	-	-	-
MINERAL	28	28	-	-	40	39	-	1	-	-	-	-
MISSOULA	625	611	10	4	992	935	34	23	5	5	-	-
MUSSELSHELL	62	62	-	-	51	48	1	2	1	1	-	-
PARK	143	142	-	1	178	173	2	3	1	1	-	-
PETROLEUM	5	5	-	-	7	7	-	-	-	-	-	-
PHILLIPS	46	44	2	-	47	41	6	-	-	-	-	-
PONDERA	76	71	5	-	77	57	20	-	-	-	-	-
POWDER RIVER	27	26	1	-	13	13	-	-	-	-	-	-
POWELL	61	60	1	-	57	56	1	-	-	-	-	-
PRAIRIE	18	18	-	-	12	12	-	-	-	-	-	-
RAVALLI	312	311	1	-	385	373	8	4	1	1	-	-
RICHLAND	114	114	-	-	135	131	3	1	-	-	-	-
ROOSEVELT	86	50	36	-	212	52	159	1	1	1	-	-
ROSEBUD	79	57	22	-	179	80	98	1	2	-	2	-
SANDERS	125	119	5	1	105	89	9	7	-	-	-	-
SHERIDAN	68	68	-	-	30	29	1	-	-	-	-	-
SILVER BOW	434	427	5	2	402	384	16	2	-	-	-	-
STILLWATER	58	58	-	-	84	81	-	3	1	1	-	-
SWEET GRASS	44	44	-	-	34	33	1	-	-	-	-	-
TETON	74	74	-	-	65	62	3	-	1	1	-	-
TOOLE	57	55	2	-	68	62	6	-	1	1	-	-
TREASURE	5	5	-	-	7	7	-	-	-	-	-	-
VALLEY	88	85	3	-	100	86	12	2	3	3	-	-
WHEATLAND	27	27	-	-	21	20	1	-	-	-	-	-
WIBAUX	16	16	-	-	13	12	-	1	-	-	-	-
YELLOWSTONE	1,044	1,027	14	3	1,694	1,571	100	23	6	6	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	1	1	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

TABLE 5

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS BY INFANT'S SEX,
LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS 1993-1997

ITEM	1997		1996		1995		1994		1993	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	10,840	100.0%	10,840	100.0%	11,136	100.0%	11,062	100.0%	11,362	100.0%
SEX										
MALE	5,583	51.5	5,554	51.2	5,655	50.8	5,664	51.2	5,891	51.8
FEMALE	5,257	48.5	5,286	48.8	5,481	49.2	5,398	48.8	5,471	48.2
UNKNOWN	-	-	-	-	-	-	-	-	-	-
LEGITIMACY										
IN WEDLOCK	7,735	71.4	7,809	72.0	8,181	73.5	8,233	74.4	8,252	72.6
OUT OF WEDLOCK	3,099	28.6	3,024	27.9	2,945	26.4	2,815	25.4	3,103	27.3
NOT STATED	6	0.1	7	0.1	10	0.1	14	0.1	7	0.1
MULTIPLE BIRTHS										
SINGLE	10,546	97.3	10,564	97.5	10,901	97.9	10,835	97.9	11,110	97.8
TWINS	287	2.6	248	2.3	233	2.1	218	2.0	243	2.1
TRIPLETS OR MORE	3	-	13	0.1	-	-	-	-	3	0.0
NOT STATED	4	-	15	0.1	2	-	9	0.1	6	0.1
PARITY										
FIRST BIRTH	4,260	39.3	4,342	40.1	4,430	39.8	4,383	39.6	4,463	39.3
SECOND BIRTH	3,516	32.4	3,431	31.7	3,618	32.5	3,433	31.0	3,633	32.0
THIRD BIRTH	1,776	16.4	1,795	16.6	1,746	15.7	1,893	17.1	1,909	16.8
FOURTH BIRTH	714	6.6	735	6.8	768	6.9	782	7.1	757	6.7
FIFTH BIRTH	290	2.7	289	2.7	308	2.8	333	3.0	319	2.8
SIXTH BIRTH	128	1.2	127	1.2	130	1.2	114	1.0	149	1.3
SEVENTH BIRTH	60	0.6	60	0.6	51	0.5	60	0.5	64	0.6
EIGHTH BIRTH	29	0.3	26	0.2	32	0.3	28	0.3	28	0.2
NINTH OR MORE	47	0.4	24	0.2	41	0.4	28	0.3	27	0.2
NOT STATED	20	0.2	11	0.1	12	0.1	8	0.1	13	0.1

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT AND BY COUNTY OF OCCURRENCE
MONTANA, 1997

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	10,731	10,422	97.1%	15	0.1%	294	2.7%
BEAVERHEAD	86	82	95.3%	-	-	4	4.7%
BIG HORN	306	304	99.3%	1	0.3%	1	0.3%
BLAINE	1	1	100.0%	-	-	-	-
BROADWATER	-	-	-	-	-	-	-
CARBON	32	25	78.1%	-	-	7	21.9%
CARTER	-	-	-	-	-	-	-
CASCADE	1,357	1,310	96.5%	-	-	47	3.5%
CHOUTEAU	-	-	-	-	-	-	-
CUSTER	222	222	100.0%	-	-	-	-
DANIELS	3	3	100.0%	-	-	-	-
DAWSON	71	71	100.0%	-	-	-	-
DEER LODGE	49	49	100.0%	-	-	-	-
FALLON	20	20	100.0%	-	-	-	-
FERGUS	136	136	100.0%	-	-	-	-
FLATHEAD	973	942	96.8%	-	-	31	3.2%
GALLATIN	776	745	96.0%	1	0.1%	30	3.9%
GARFIELD	-	-	-	-	-	-	-
GLACIER	222	221	99.5%	-	-	1	0.5%
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	1	-	-	1	100.0%	-	-
HILL	382	379	99.2%	-	-	3	0.8%
JEFFERSON	2	-	-	1	50.0%	1	50.0%
JUDITH BASIN	1	-	-	-	-	1	100.0%
LAKE	159	155	97.5%	-	-	4	2.5%
LEWIS & CLARK	745	735	98.7%	-	-	10	1.3%
LIBERTY	31	31	100.0%	-	-	-	-
LINCOLN	125	116	92.8%	-	-	9	7.2%
MCCONE	-	-	-	-	-	-	-
MADISON	11	9	81.8%	-	-	2	18.2%
MEAGHER	-	-	-	-	-	-	-
MINERAL	4	2	50.0%	-	-	2	50.0%
MISSOULA	1,403	1,379	98.3%	1	0.1%	23	1.6%
MUSSELSHELL	2	-	-	-	-	2	100.0%
PARK	207	163	78.7%	-	-	44	21.3%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	1	1	100.0%	-	-	-	-
PONDERA	20	20	100.0%	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	23	22	95.7%	-	-	1	4.3%
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	224	196	87.5%	1	0.4%	27	12.1%
RICHLAND	154	153	99.4%	1	0.6%	-	-
ROOSEVELT	180	179	99.4%	-	-	1	0.6%
ROSEBUD	7	-	-	3	42.9%	4	57.1%
SANDERS	42	38	90.5%	1	2.4%	3	7.1%
SHERIDAN	21	21	100.0%	-	-	-	-
SILVER BOW	514	512	99.6%	-	-	2	0.4%
STILLWATER	46	41	89.1%	-	-	5	10.9%
SWEET GRASS	4	1	25.0%	-	-	3	75.0%
TETON	2	1	50.0%	-	-	1	50.0%
TOOLE	91	89	97.8%	2	2.2%	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	107	107	100.0%	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	1,968	1,941	98.6%	2	0.1%	25	1.3%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-

* BORN ON ARRIVAL

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY	TOTAL	LESS THAN 1,500 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL*	10,835	112	1.0	575	5.3	9,065	83.7	1,083	10.0
BEAVERHEAD	99	1	1.0	3	3.0	91	91.9	4	4.0
BIG HORN	251	4	1.6	15	6.0	194	77.3	38	15.1
BLAINE	112	1	0.9	7	6.3	93	83.0	11	9.8
BROADWATER	46	-	-	2	4.3	37	80.4	7	15.2
CARBON	78	1	1.3	5	6.4	62	79.5	10	12.8
CARTER	13	-	-	1	7.7	11	84.6	1	7.7
CASCADE	1,071	9	0.8	59	5.5	907	84.7	96	9.0
CHOUTEAU	45	-	-	2	4.4	38	84.4	5	11.1
CUSTER	132	1	0.8	5	3.8	118	89.4	8	6.1
DANIELS	13	-	-	-	-	11	84.6	2	15.4
DAWSON	77	1	1.3	2	2.6	69	89.6	5	6.5
DEER LODGE	105	-	-	10	9.5	88	83.8	7	6.7
FALLON	29	-	-	-	-	23	79.3	6	20.7
FERGUS	119	-	-	3	2.5	108	90.8	8	6.7
FLATHEAD	902	8	0.9	51	5.7	753	83.5	90	10.0
GALLATIN	743	8	1.1	30	4.0	622	83.7	83	11.2
GARFIELD	22	-	-	-	-	20	90.9	2	9.1
GLACIER	242	2	0.8	16	6.6	200	82.6	24	9.9
GOLDEN VALLEY	11	-	-	1	9.1	8	72.7	2	18.2
GRANITE	42	1	2.4	3	7.1	36	85.7	2	4.8
HILL	266	6	2.3	15	5.6	208	78.2	37	13.9
JEFFERSON	98	-	-	3	3.1	84	85.7	11	11.2
JUDITH BASIN	24	-	-	-	-	22	91.7	2	8.3
LAKE	304	6	2.0	10	3.3	257	84.5	31	10.2
LEWIS & CLARK	652	2	0.3	38	5.8	554	85.0	58	8.9
LIBERTY	27	-	-	4	14.8	23	85.2	-	-
LINCOLN	188	1	0.5	14	7.4	147	78.2	26	13.8
MCCONE	19	-	-	-	-	17	89.5	2	10.5
MADISON	70	-	-	5	7.1	55	78.6	10	14.3
MEAGHER	26	1	3.8	1	3.8	22	84.6	2	7.7
MINERAL	40	-	-	3	7.5	32	80.0	5	12.5
MISSOULA	992	11	1.1	56	5.6	829	83.6	96	9.7
MUSSELSHELL	51	-	-	9	17.6	36	70.6	6	11.8
PARK	178	1	0.6	6	3.4	153	86.0	18	10.1
PETROLEUM	7	-	-	1	14.3	6	85.7	-	-
PHILLIPS	47	1	2.1	1	2.1	32	68.1	13	27.7
PONDERA	77	1	1.3	1	1.3	64	83.1	11	14.3
POWDER RIVER	13	-	-	1	7.7	11	84.6	1	7.7
POWELL	57	-	-	3	5.3	51	89.5	3	5.3
PRAIRIE	12	-	-	-	-	11	91.7	1	8.3
RAVALLI	385	8	2.1	26	6.8	320	83.1	31	8.1
RICHLAND	135	1	0.7	7	5.2	118	87.4	9	6.7
ROOSEVELT	212	3	1.4	10	4.7	168	79.2	31	14.6
ROSEBUD	179	2	1.1	13	7.3	137	76.5	27	15.1
SANDERS	105	1	1.0	7	6.7	89	84.8	8	7.6
SHERIDAN	30	-	-	2	6.7	25	83.3	3	10.0
SILVER BOW	402	5	1.2	34	8.5	343	85.3	20	5.0
STILLWATER	84	-	-	3	3.6	72	85.7	9	10.7
SWEET GRASS	34	-	-	2	5.9	27	79.4	5	14.7
TETON	65	-	-	2	3.1	59	90.8	4	6.2
TOOLE	68	2	2.9	3	4.4	58	85.3	5	7.4
TREASURE	7	-	-	-	-	6	85.7	1	14.3
VALLEY	100	-	-	1	1.0	85	85.0	14	14.0
WHEATLAND	21	-	-	-	-	20	95.2	1	4.8
WIBAUX	13	-	-	2	15.4	11	84.6	-	-
YELLOWSTONE	1,694	23	1.4	77	4.5	1,423	84.0	171	10.1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-
NOT STATED	1	-	-	-	-	1	100.0	-	-

* BIRTHWEIGHT WAS NOT STATED FOR FIVE BIRTHS AND THESE BIRTHS ARE NOT REFLECTED IN THIS TABLE.

TABLE 8

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERING IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE AND
AND BY YEARS OF EDUCATION OF MOTHER
MONTANA, 1997

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE-BORN CHILDREN											
	TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL												
NUMBER	10,652	4,187	3,468	1,735	702	285	127	58	28	20	27	15
PERCENT	100	39 3	32 6	16 3	6.6	2.7	1.2	0.5	0.3	0.2	0 3	0.1
NONE												
NUMBER	3	1	1	-	-	-	-	-	-	1	-	-
PERCENT	100	33.3	33.3	-	-	-	-	-	-	33.3	-	-
LESS THAN 8 YEARS												
NUMBER	27	10	11	3	-	2	1	-	-	-	-	-
PERCENT	100	37.0	40 7	11.1	-	7 4	3.7	-	-	-	-	-
8 YEARS												
NUMBER	213	73	50	29	27	16	11	2	4	-	-	1
PERCENT	100	34 3	23.5	13.6	12 7	7.5	5.2	0.9	1.9	-	-	0.5
9 YEARS												
NUMBER	284	141	56	43	20	9	9	3	-	-	3	-
PERCENT	100	49 6	19 7	15.1	7 0	3 2	3.2	1.1	-	-	1.1	-
10 YEARS												
NUMBER	472	237	115	62	32	14	6	2	2	-	1	1
PERCENT	100	50 2	24 4	13.1	6 8	3.0	1.3	0 4	0.4	-	0 2	0.2
11 YEARS												
NUMBER	570	281	139	83	32	17	4	4	3	2	2	3
PERCENT	100	49.3	24 4	14.6	5.6	3.0	0.7	0 7	0.5	0.4	0 4	0.5
12 YEARS												
NUMBER	3,550	1,327	1,143	641	229	105	44	23	14	8	10	6
PERCENT	100	37.4	32 2	18.1	6 5	3.0	1.2	0.6	0.4	0.2	0.3	0.2
1 YR COLLEGE												
NUMBER	1,176	436	405	187	89	32	12	10	1	1	3	-
PERCENT	100	37 1	34 4	15.9	7 6	2.7	1.0	0.9	0.1	0.1	0.3	-
2 YRS COLLEGE												
NUMBER	1,211	425	413	223	95	27	13	5	3	2	4	1
PERCENT	100	35.1	34.1	18.4	7 8	2.2	1.1	0 4	0.2	0.2	0.3	0.1
3 YRS COLLEGE												
NUMBER	481	171	158	87	37	15	7	3	-	2	1	-
PERCENT	100	35 6	32 8	18.1	7.7	3 1	1.5	0 6	-	0.4	0.2	-
4 YRS COLLEGE												
NUMBER	1,669	651	619	243	106	28	13	3	1	2	3	-
PERCENT	100	39 0	37.1	14 6	6 4	1 7	0 8	0.2	0.1	0.1	0.2	-
POST GRADUATE												
NUMBER	979	427	354	132	34	19	6	3	-	2	-	2
PERCENT	100	43 6	36.2	13.5	3 5	1.9	0.6	0 3	-	0.2	-	0.2
NOT STATED												
NUMBER	17	7	4	2	1	1	1	-	-	-	-	1
PERCENT	100	41 2	23 5	11.8	5.9	5.9	5.9	-	-	-	-	5.9

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	ALL CAUSES	7,730	3,823	212	3,551	144
001 - 139	**INFECTIOUS AND PARASITIC DISEASES**	**89**	**39**	**4**	**42**	**4**
001 - 009	INTESTINAL INFECTIOUS DISEASES	3	-	1	2	-
008	INTESTINAL INFECTION-OTHER ORGANISMS	2	-	-	2	-
009	ILL-DEFINED INTESTINAL INFECTION	1	-	1	-	-
010 - 018	TUBERCULOSIS	2	-	-	1	1
017	TUBERCULOSIS OF OTHER ORGANS	2	-	-	1	1
030 - 041	OTHER BACTERIAL DISEASES	54	22	1	29	2
038	SEPTICEMIA	52	21	1	28	2
040	OTHER BACTERIAL DISEASES	1	-	-	1	-
041	BACTERIAL INFECTION OF UNSPECIFIED SITE	1	1	-	-	-
042 - 044	HUMAN IMMUNODEFICIENCY VIRUS (HIV) INFECTION	10	7	2	1	-
042	HIV INFECTION WITH SPECIFIED CONDITIONS	9	7	1	1	-
044	OTHER HIV INFECTION	1	-	1	-	-
045 - 049	POLIOMYELITIS AND OTHER NON-ARTHROPOD BORNE VIRAL DISEASES OF CENTRAL NERVOUS SYSTEMS (CNS)	3	2	-	1	-
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	1	-	-	1	-
048	OTHER ENTEROVIRUS DISEASES OF CENTRAL NERVOUS SYSTEM	1	1	-	-	-
049	OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	1	1	-	-	-
050 - 057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	2	1	-	1	-
053	HERPES ZOSTER	1	-	-	1	-
054	HERPES SIMPLEX	1	1	-	-	-
070 - 079	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	9	4	-	4	1
070	VIRAL HEPATITIS	6	2	-	3	1
071	RABIES	1	1	-	-	-
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	1	1	-	-	-
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	1	-	-	1	-
110 - 118	MYCOSES	2	2	-	-	-
114	COCCIDIOIDOMYCOSIS	1	1	-	-	-
117	OTHER MYCOSES	1	1	-	-	-
130 - 136	OTHER INFECTIOUS AND PARASITIC DISEASES	3	1	-	2	-
135	SARCOIDOSIS	1	-	-	1	-
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASE	2	1	-	1	-
137 - 139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	1	-	-	1	-
138	LATE EFFECTS OF ACUTE POLIOMYELITIS	1	-	-	1	-
140 - 239	**NEOPLASMS**	**1,818**	**937**	**37**	**816**	**28**
140 - 149	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY, AND PHARYNX	22	14	2	6	-
141	TONGUE	6	4	-	2	-
142	MAJOR SALIVARY GLANDS	2	1	1	-	-
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	2	1	-	1	-
146	OROPHARYNX	3	2	-	1	-
147	NASOPHARYNX	3	2	1	-	-
148	HYPOPHARYNX	2	1	-	1	-
149	OTHER AND ILL-DEFINED SITE-LIP, ORAL CAVITY, AND PHARYNX	4	3	-	1	-
150 - 159	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM	387	217	14	153	3
150	ESOPHAGUS	36	27	2	7	-
151	STOMACH	30	20	2	8	-
152	SMALL INTESTINE INCLUDING DUODENUM	3	2	-	-	1
153	COLON	154	77	4	72	1
154	RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	26	18	1	7	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
155	LIVER AND INTRAHEPATIC BILE DUCTS	41	23	2	16	-
156	GALL BLADDER AND EXTRAHEPATIC BILE DUCTS	14	9	-	5	-
157	PANCREAS	81	41	3	36	1
158	RETROPERITONEUM AND PERITONEUM	2	-	-	2	-
160 - 165	MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	488	257	12	212	7
160	NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	1	-	-	1	-
161	LARYNX	10	4	1	5	-
162	TRACHEA, BRONCHUS, AND LUNG	476	253	11	205	7
164	THYMUS, HEART, AND MEDIASTINUM	1	-	-	1	-
170 - 175	MALIGNANT NEOPLASMS OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	171	24	-	143	4
170	BONE AND ARTICULAR CARTILAGE	6	3	-	3	-
171	CONNECTIVE AND OTHER SOFT TISSUE	18	5	-	13	-
172	MALIGNANT MELANOMA OF SKIN	26	13	-	13	-
173	OTHER MALIGNANT NEOPLASM OF SKIN	5	3	-	2	-
174	FEMALE BREAST	116	-	-	112	4
179 - 189	MALIGNANT NEOPLASMS OF GENITOURINARY ORGANS	326	204	3	117	2
179	UTERUS, PART UNSPECIFIED	15	-	-	15	-
180	CERVIX UTERI	11	-	-	11	-
182	BODY OF UTERUS	3	-	-	3	-
183	OVARY AND OTHER UTERINE ADNEXA	55	-	-	54	1
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	5	-	-	5	-
185	PROSTATE	151	149	2	-	-
186	TESTIS	2	2	-	-	-
188	URINARY BLADDER	45	32	-	12	1
189	KIDNEY AND OTHER UNSPECIFIED URINARY ORGANS	39	21	1	17	-
190 - 199	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	188	95	3	83	7
190	EYE	1	1	-	-	-
191	BRAIN	44	24	1	18	1
193	THYROID GLAND	3	-	-	3	-
194	OTHER ENDOCRINE GLAND AND RELATED STRUCTURES	3	1	-	2	-
195	OTHER AND ILL-DEFINED SITES	9	7	1	1	-
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE	128	62	1	59	6
200 - 208	MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	197	110	3	81	3
200	LYMPHOSARCOMA AND RETICULOSARCOMA	7	4	-	3	-
201	HODGKIN S DISEASE	3	2	-	1	-
202	OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HSTIOCYTIC TISSUE	88	50	2	34	2
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	37	15	1	20	1
204	LYMPHOID LEUKEMIA	16	10	-	6	-
205	MYELOID LEUKEMIA	28	15	-	13	-
208	LEUKEMIA OF UNSPECIFIED CELL TYPE	18	14	-	4	-
210 - 229	BENIGN NEOPLASMS	9	2	-	7	-
211	OTHER PARTS OF DIGESTIVE SYSTEM	1	-	-	1	-
213	BONE AND ARTICULAR CARTILAGE	1	-	-	1	-
215	CONNECTIVE AND OTHER SOFT TISSUE	1	1	-	-	-
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	6	1	-	5	-
235 - 238	NEOPLASMS OF UNCERTAIN BEHAVIOR	5	3	-	2	-
238	OTHER AND UNSPECIFIED SITES AND TISSUES	5	3	-	2	-
239	NEOPLASMS OF UNSPECIFIED NATURE	25	11	-	12	2
239	NEOPLASMS OF UNSPECIFIED NATURE	25	11	-	12	2
240 - 279	**ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES AND IMMUNITY DISORDERS**	**231**	**95**	**6**	**120**	**10**
240 - 246	DISORDERS OF THYROID GLAND	3	-	-	3	-
244	ACQUIRED HYPOTHYROIDISM	3	-	-	3	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
250 - 259	DISEASES OF OTHER ENDOCRINE GLANDS	172	68	6	89	9
250	DIABETES	169	67	6	87	9
253	DISORDERS OF PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	1	-	-	1	-
255	DISORDERS OF ADRENAL GLANDS	1	-	-	1	-
259	OTHER ENDOCRINE DISORDERS	1	1	-	-	-
260 - 269	NUTRITIONAL DEFICIENCIES	13	3	-	10	-
261	NUTRITIONAL MARASMUS	1	-	-	1	-
263	OTHER AND UNSPECIFIED PROTEIN OR CALORIE MALNUTRITION	12	3	-	9	-
270 - 279	OTHER METABOLIC AND IMMUNITY DISORDERS	43	24	-	18	1
272	LIPOID METABOLISM	8	7	-	1	-
273	PLASMA PROTEIN METABOLISM	2	2	-	-	-
275	DISORDERS OF MINERAL METABOLISM	3	2	-	1	-
276	FLUID, ELECTROLYTE, AND ACID-BASE BALANCE	18	6	-	12	-
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	5	4	-	1	-
278	OBESITY AND OTHER HYPERALIMENTATION	4	1	-	2	1
279	DISORDER INVOLVING THE IMMUNE MECHANISM	3	2	-	1	-
280 - 289	**DISEASES OF BLOOD AND BLOOD-FORMING ORGANS**	**32**	**11**	**-**	**21**	**-**
280 - 289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	32	11	-	21	-
280	IRON DEFICIENCY ANEMIAS	1	-	-	1	-
281	OTHER DEFICIENCY ANEMIAS	1	-	-	1	-
282	HEREDITARY HAEMOLYTIC ANEMIAS	1	1	-	-	-
284	APLASTIC ANEMIAS	6	1	-	5	-
285	OTHER AND UNSPECIFIED ANEMIAS	6	1	-	5	-
286	COAGULATION DEFECT	2	-	-	2	-
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	2	-	-	2	-
288	DISEASE OF WHITE BLOOD CELLS	3	2	-	1	-
289	OTHER DISEASE OF BLOOD AND BLOOD-FORMING ORGANS	10	6	-	4	-
290 - 319	**MENTAL DISORDERS**	**203**	**75**	**5**	**119**	**4**
290 - 294	ORGANIC PSYCHOTIC CONDITIONS	102	34	2	65	1
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	100	33	1	65	1
291	ALCOHOLIC PSYCHOSIS	2	1	1	-	-
295 - 299	OTHER PSYCHOSES	66	20	1	44	1
295	SCHIZOPHRENIC DISORDER	2	1	-	1	-
298	OTHER NONORGANIC PSYCHOSES	64	19	1	43	1
300 - 316	NEUROTIC, PERSONALITY, AND OTHER NONPSYCHOTIC MENTAL DISORDERS	34	20	2	10	2
303	ALCOHOL DEPENDENCE SYNDROME	18	13	1	3	1
305	NONDEPENDENT ABUSE OF DRUGS	6	2	1	2	1
307	SPECIAL SYMPTOMS OR SYNDROMES NOT CLASSIFIED	3	2	-	1	-
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS AFTER ORGANIC BRAIN DAMAGE	4	2	-	2	-
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	3	1	-	2	-
317 - 319	MENTAL RETARDATION	1	1	-	-	-
318	OTHER SPECIFIED MENTAL RETARDATION	1	1	-	-	-
320 - 389	**DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS**	**206**	**89**	**6**	**110**	**1**
320 - 326	INFLAMMATORY DISEASES OF CNS	4	1	1	2	-
320	BACTERIAL MENINGITIS	1	-	-	1	-
322	MENINGITIS OF UNSPECIFIED CAUSE	2	1	1	-	-
325	PHLEBITIS AND THROMBOPHLEBITIS OF INTRACRANIAL VENOUS SINUSES	1	-	-	1	-
330 - 337	HEREDITARY AND DEGENERATIVE DISEASES OF CNS	153	68	-	85	-
330	CEREBRAL DEGENERATION USUALLY MANIFEST IN CHILDHOOD	1	-	-	1	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
331	ALZHEIMER'S AND OTHER CEREBRAL DEGENERATION	89	31	-	58	-
332	PARKINSON'S DISEASE	36	21	-	15	-
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	4	2	-	2	-
334	SPINOCEREBELLAR DISEASE	3	2	-	1	-
335	ANTERIOR HORN CELL DISEASE	20	12	-	8	-
340 - 349	OTHER DISORDERS OF CNS	35	11	5	18	1
340	MULTIPLE SCLEROSIS	17	4	1	12	-
341	OTHER DEMYELINATING DISEASES	1	1	-	-	-
343	INFANTILE CEREBRAL PALSY	1	1	-	-	-
344	OTHER PARALYTIC SYNDROMES	1	-	-	1	-
345	EPILEPSY	3	1	2	-	-
348	OTHER CONDITION OF BRAIN	8	3	2	2	1
349	OTHER AND UNSPECIFIED NERVOUS SYSTEM DISORDERS	4	1	-	3	-
350 - 359	DISORDERS OF PERIPHERAL NERVOUS SYSTEM	14	9	-	5	-
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	6	4	-	2	-
358	MYONEURAL DISORDERS	4	2	-	2	-
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	4	3	-	1	-
390 - 459	**DISEASES OF CIRCULATORY SYSTEM**	**2,859**	**1,403**	**52**	**1,369**	**35**
393 - 398	CHRONIC RHEUMATIC HEART DISEASE	23	4	-	19	-
394	DISEASE OF MITRAL VALVE	10	2	-	8	-
395	DISEASE OF AORTIC VALVE	3	-	-	3	-
396	DISEASE OF MITRAL AND AORTIC VALVE	5	2	-	3	-
397	DISEASE OF OTHER ENDOCARDIAL STRUCTURES	2	-	-	2	-
398	OTHER RHEUMATIC HEART DISEASE	3	-	-	3	-
401 - 405	HYPERTENSIVE DISEASE	100	41	-	58	1
401	ESSENTIAL HYPERTENSION	20	7	-	13	-
402	HYPERTENSIVE HEART DISEASE	60	23	-	37	-
403	HYPERTENSIVE RENAL DISEASE	15	10	-	4	1
404	HYPERTENSIVE HEART AND RENAL DISEASE	5	1	-	4	-
410 - 414	ISCHEMIC HEART DISEASE	1,144	640	20	474	10
410	ACUTE MYOCARDIAL INFARCTION	561	327	12	216	6
411	OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	5	3	1	1	-
412	OLD MYOCARDIAL INFARCTION	1	1	-	-	-
413	ANGINA PECTORIS	5	3	-	2	-
414	OTHER FORM OF CHRONIC ISCHEMIC HEART DISEASE	572	306	7	255	4
415 - 417	DISEASES OF PULMONARY CIRCULATION	35	16	1	17	1
415	ACUTE PULMONARY HEART DISEASE	27	11	1	14	1
416	CHRONIC PULMONARY HEART DISEASE	8	5	-	3	-
420 - 429	OTHER FORMS OF HEART DISEASE	830	408	17	394	11
420	ACUTE PERICARDITIS	1	1	-	-	-
421	ACUTE AND SUBACUTE ENDOCARDITIS	5	4	1	-	-
422	ACUTE MYOCARDITIS	1	1	-	-	-
423	OTHER DISEASES OF PERICARDIUM	2	1	-	1	-
424	OTHER DISEASES OF ENDOCARDIUM	82	38	1	41	2
425	CARDIOMYOPATHY	51	24	3	22	2
426	CONDUCTION DISORDERS	5	2	-	3	-
427	CARDIAC DYSRHYTHMIAS	164	70	5	87	2
428	HEART FAILURE	266	118	3	144	1
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	253	149	4	96	4
430 - 438	CEREBROVASCULAR DISEASE	544	205	11	318	10
430	SUBARACHNOID HEMORRHAGE	22	7	-	13	2
431	INTRACEREBRAL HEMORRHAGE	51	23	3	24	1
432	OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	12	8	-	3	1
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	2	-	-	2	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
434	OCCLUSION OF CEREBRAL ARTERIES	27	5	-	21	1
435	TRANSIENT CEREBRAL ISCHEMIA	1	1	-	-	-
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	352	130	6	212	4
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	42	15	2	24	1
438	LATE EFFECT OF CEREBROVASCULAR DISEASE	35	16	-	19	-
440 - 448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	168	82	3	82	1
440	ATHEROSCLEROSIS	69	34	2	32	1
441	AORTIC ANEURYSM	61	35	1	25	-
442	OTHER ANEURYSM	3	2	-	1	-
443	OTHER PERIPHERAL VASCULAR DISEASE	27	9	-	18	-
444	ARTERIAL EMBOLISM AND THROMBOSIS	3	1	-	2	-
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	1	1	-	-	-
447	OTHER DISORDER OF ARTERIES AND ARTERIOLES	4	-	-	4	-
451 - 459	DISEASES OF VEINS AND LYMPHATICS AND OTHER CIRCULATORY SYSTEM DISEASES	15	7	-	7	1
451	PHLEBITIS AND THROMBOPHLEBITIS	3	3	-	-	-
458	HYPOTENSION	4	1	-	2	1
459	OTHER DISORDER OF CIRCULATORY SYSTEM	8	3	-	5	-
460 - 519	**DISEASES OF RESPIRATORY SYSTEM**	**947**	**466**	**20**	**443**	**18**
460 - 466	ACUTE RESPIRATORY INFECTIONS	3	1	-	2	-
464	ACUTE LARYNGITIS AND TRACHEITIS	1	1	-	-	-
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITE	1	-	-	1	-
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	1	-	-	1	-
470 - 478	OTHER UPPER RESPIRATORY TRACT DISEASES	1	-	-	1	-
473	CHRONIC SINUSITIS	1	-	-	1	-
480 - 487	PNEUMONIA AND INFLUENZA	300	131	6	157	6
481	PNEUMOCOCCAL PNEUMONIA	6	3	-	3	-
482	OTHER BACTERIAL PNEUMONIA	6	3	-	3	-
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	6	4	-	2	-
486	PNEUMONIA, ORGANISM UNSPECIFIED	281	121	6	148	6
487	INFLUENZA	1	-	-	1	-
490 - 496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	532	272	12	238	10
490	BRONCHITIS NOT SPECIFIED AS ACUTE OR CHRONIC	1	-	-	1	-
491	CHRONIC BRONCHITIS	18	8	1	9	-
492	EMPHYSEMA	68	39	3	25	1
493	ASTHMA	22	8	-	12	2
494	BRONCHIECTASIS	1	-	-	1	-
496	CHRONIC AIRWAYS OBSTRUCTION NOT ELSEWHERE CLASSIFIED	422	217	8	190	7
500 - 508	PNEUMOCONIOSES AND OTHER LUNG DISEASE AND EXTERNAL AGENTS	41	28	1	11	1
500	COAL WORKER'S PNEUMOCONIOSIS	1	1	-	-	-
501	ASBESTOSIS	1	1	-	-	-
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	1	-	-	-
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	38	25	1	11	1
510 - 519	OTHER RESPIRATORY SYSTEM DISEASES	70	34	1	34	1
511	PLEURISY	1	-	-	1	-
512	PNEUMOTHORAX	1	1	-	-	-
514	PULMONARY CONGESTION AND HYPOSTASIS	2	1	-	1	-
515	POSTINFLAMMATORY PULMONARY FIBROSIS	31	16	-	14	1
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	7	4	1	2	-
518	OTHER DISEASES OF LUNG	24	11	-	13	-
519	OTHER DISEASES OF RESPIRATORY SYSTEM	4	1	-	3	-
520 - 579	**DISEASES OF DIGESTIVE SYSTEM**	**269**	**107**	**20**	**130**	**12**

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
530 - 537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	32	14	1	16	1
530	DISEASES OF ESOPHAGUS	13	6	1	6	-
531	GASTRIC ULCER	6	2	-	4	-
532	DUODENAL ULCER	6	4	-	2	-
533	PEPTIC ULCER, SITE UNSPECIFIED	2	1	-	1	-
535	GASTRITIS AND DUODENITIS	2	-	-	1	1
536	DISORDERS OF FUNCTION OF STOMACH	1	-	-	1	-
537	OTHER DISORDERS OF STOMACH AND DUODENUM	2	1	-	1	-
540 - 543	APPENDICITIS	6	5	-	1	-
540	ACUTE APPENDICITIS	4	3	-	1	-
541	APPENDICITIS, UNQUALIFIED	2	2	-	-	-
550 - 553	HERNIA OF ABDOMINAL CAVITY	5	2	1	2	-
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION BUT WITHOUT GANGRENE	1	1	-	-	-
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT OBSTRUCTION OR GANGRENE	4	1	1	2	-
555 - 558	NONINFECTIVE ENTERITIS AND COLITIS	38	7	1	29	1
555	REGIONAL ENTERITIS	2	-	-	2	-
557	VASCULAR INSUFFICIENCY OF INTESTINE	27	5	1	21	-
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	9	2	-	6	1
560 - 569	OTHER DISEASES OF INTESTINES AND PERITONEUM	43	11	2	30	-
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	17	3	1	13	-
562	DIVERTICULA OF INTESTINE	11	5	-	6	-
566	ABSCESS OF ANAL AND RECTAL REGIONS	3	-	-	3	-
567	PERITONITIS	4	1	1	2	-
569	OTHER DISORDERS OF INTESTINE	8	2	-	6	-
570 - 579	OTHER DIGESTIVE SYSTEM DISEASES	145	68	15	52	10
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	1	-	-	1	-
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	75	41	12	13	9
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	7	3	-	4	-
573	OTHER DISORDERS OF LIVER	8	3	1	3	1
574	CHOLELITHIASIS	4	3	-	1	-
575	OTHER DISORDERS OF GALLBLADDER	6	3	-	3	-
576	OTHER DISORDERS OF BILIARY TRACT	8	2	-	6	-
577	DISEASE OF PANCREAS	10	6	-	4	-
578	GASTROINTESTINAL HEMORRHAGE	25	7	2	16	-
579	INTESTINAL MALABSORPTION	1	-	-	1	-
580 - 629	DISEASES OF GENITOURINARY SYSTEM	140	65	3	71	1
580 - 589	NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	98	46	3	48	1
580	ACUTE GLOMERULONEPHRITIS	1	-	-	1	-
581	NEPHROTIC SYNDROME	1	-	-	1	-
582	CHRONIC GLOMERULONEPHRITIS	4	1	-	3	-
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED ACUTE OR CHRONIC	5	4	-	1	-
584	ACUTE RENAL FAILURE	9	5	-	4	-
585	CHRONIC RENAL FAILURE	10	7	1	2	-
586	RENAL FAILURE, UNSPECIFIED	68	29	2	36	1
590 - 599	OTHER URINARY SYSTEM DISEASES	39	18	-	21	-
590	INFECTIONS OF KIDNEY	4	-	-	4	-
592	CALCULUS OF KIDNEY AND URETER	1	1	-	-	-
593	OTHER DISORDERS OF KIDNEY AND URETER	7	5	-	2	-
595	CYSTITIS	1	-	-	1	-
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	26	12	-	14	-
600 - 608	DISEASES OF MALE GENITAL ORGANS	1	1	-	-	-
600	HYPERPLASIA OF PROSTATE	1	1	-	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
614 -616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	1	-	-	1	-
615	INFLAMMATORY DISEASES OF UTERUS, EXCEPT CERVIX	1	-	-	1	-
617 - 629	OTHER DISORDERS OF FEMALE GENITAL TRACT	1	-	-	1	-
618	GENITAL PROLAPSE	1	-	-	-	1
680 - 709	**DISEASES OF SKIN AND SUBCUTANEOUS TISSUE**	**7**	**1**	**-**	**4**	**2**
680 - 686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	4	1	-	2	1
682	OTHER CELLULITIS AND ABSCESS	3	1	-	1	1
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	1	-	-	1	-
690 - 698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUES	1	-	-	1	-
694	BULLOUS DERMATOSES	1	-	-	1	-
700 - 709	OTHER SKIN AND SUBCUTANEOUS TISSUE DISEASE	2	-	-	1	1
707	CHRONIC ULCER OF SKIN	2	-	-	1	1
710 - 739	**MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISEASES**	**51**	**18**	**2**	**29**	**2**
710 - 719	ARTHROPATHIES AND RELATED DISORDERS	26	11	2	11	2
710	DIFFUSE DISEASE OF CONNECTIVE TISSUE	6	3	-	2	1
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	1	1	-	-	-
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	12	6	2	4	-
715	OSTEOARTHROSIS AND ALLIED DISORDERS	4	-	-	3	1
716	OTHER AND UNSPECIFIED ARTHROPATHIES	2	-	-	2	-
719	OTHER AND UNSPECIFIED DISORDERS OF JOINT	1	1	-	-	-
720-724	DORSOPATHIES	4	1	-	3	-
721	SPONDYLOSIS AND ALLIED DISORDERS	1	1	-	-	-
723	OTHER DISORDERS OF CERVICAL REGION	1	-	-	1	-
724	OTHER AND UNSPECIFIED DISORDERS OF BACK	2	-	-	2	-
725 - 729	RHEUMATISM, EXCLUDING THE BACK	4	2	-	2	-
725	POLYMYALGIA RHEUMATICA	1	1	-	-	-
728	DISORDERS OF MUSCLE, LIGAMENT, AND FASCIA	1	-	-	1	-
729	OTHER DISORDERS OF SOFT TISSUES	2	1	-	1	-
730 - 739	OSTEOPATHIES, CHONDROPATHIES, AND ACQUIRED MUSCULO-SKELETAL DEFORMITIES	17	4	-	13	-
730	OSTEOMYELITIS, PERIOSTITIS, AND OTHER INFECTIONS INVOLVING BONE	3	1	-	2	-
733	OTHER DISORDERS OF BONE AND CARTILAGE	11	3	-	8	-
737	CURVATURE OF SPINE	3	-	-	3	-
740 - 759	**CONGENITAL ANOMALIES**	**39**	**18**	**1**	**19**	**1**
741	SPINA BIFIDA	1	-	-	-	1
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	1	1	-	-	-
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	5	1	-	4	-
746	OTHER CONGENITAL ANOMALIES OF HEART	7	6	-	1	-
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	4	2	1	1	-
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	5	-	-	5	-
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	1	1	-	-	-
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	3	3	-	-	-
758	CHROMOSOMAL ANOMALIES	8	4	-	4	-
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	4	-	-	4	-
760 - 779	**CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD**	**25**	**12**	**4**	**9**	**-**
760	NEWBORN AFFECTED BY MATERNAL CONDITION THAT MAY BE UNRELATED TO PRESENT PREGNANCY	2	-	1	1	-
761	NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF					

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	PREGNANCY	1	-	-	1	-
762	NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	6	4	1	1	-
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	4	2	-	2	-
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	4	1	2	1	-
769	RESPIRATORY DISTRESS SYNDROME	1	1	-	-	-
770	OTHER RESPIRATORY CONDITION OF NEWBORN	2	-	-	2	-
771	INFECTION SPECIFIC TO THE PERINATAL PERIOD	1	1	-	-	-
775	ENDOCRINE AND METABOLIC DISTURBANCES	1	1	-	-	-
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	1	1	-	-	-
778	CONDITION INVOLVING THE INTEGUMENT AND TEMPERATURE	2	1	-	1	-
780 - 799	**SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS**	**144**	**62**	**6**	**71**	**5**
780 - 789	SYMPTOMS	12	6	1	5	-
780	GENERAL SYMPTOMS	2	2	-	-	-
783	SYMPTOMS CONCERNING NUTRITION, METABOLISM, AND DEVELOPMENT	3	-	-	3	-
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	5	2	1	2	-
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOMS	2	2	-	-	-
797 - 799	ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	132	56	5	66	5
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	33	9	-	23	1
798	SUDDEN DEATH, CAUSE UNKNOWN	16	8	5	3	-
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	83	39	-	40	4
800 - 999	**EXTERNAL CAUSES OF INJURY AND POISONING**	**670**	**425**	**46**	**178**	**21**
800 - 807	RAILWAY ACCIDENTS	7	6	-	1	-
805	HIT BY ROLLING STOCK	7	6	-	1	-
810 - 819	MOTOR VEHICLE TRAFFIC ACCIDENTS	224	119	23	68	14
810	INVOLVING COLLISION WITH TRAIN	1	1	-	-	-
811	INVOLVING RE-ENTRANT COLLISION WITH ANOTHER MOTOR VEHICLE	2	-	-	2	-
812	INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	80	39	7	29	5
813	INVOLVING COLLISION WITH OTHER VEHICLE	1	1	-	-	-
814	INVOLVING COLLISION WITH PEDESTRIAN	8	4	-	3	1
815	OTHER TRAFFIC ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	36	21	3	11	1
816	LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	86	44	12	23	7
818	OTHER NONCOLLISION TRAFFIC ACCIDENT	5	5	-	-	-
819	MOTOR VEHICLE TRAFFIC ACCIDENT, UNSPECIFIED NATURE	5	4	1	-	-
820 - 825	MOTOR VEHICLE NON-TRAFFIC ACCIDENTS	6	4	-	2	-
821	INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	4	3	-	1	-
822	INVOLVING COLLISION WITH MOVING OBJECT	2	1	-	1	-
826 - 829	OTHER ROAD VEHICLE ACCIDENTS	2	-	-	2	-
826	PEDAL CYCLE ACCIDENT	1	-	-	1	-
828	ACCIDENT INVOLVING ANIMAL BEING RIDDEN	1	-	-	1	-
830 - 838	WATER TRANSPORT ACCIDENTS	7	5	-	2	-
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	3	1	-	2	-
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	4	4	-	-	-
840 - 845	AIR AND SPACE TRANSPORT ACCIDENTS	10	8	-	2	-
841	ACCIDENT TO POWERED AIRCRAFT, OTHER, AND UNSPECIFIED	8	6	-	2	-
842	UNPOWERED AIRCRAFT	1	1	-	-	-
844	OTHER SPECIFIED AIR TRANSPORT ACCIDENTS	1	1	-	-	-
850 - 858	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS, AND					

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	BIOLOGICALS	8	7	-	1	-
850	BY ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS	3	3	-	-	-
854	BY OTHER PSYCHOTROPIC AGENTS	1	1	-	-	-
855	BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVE	1	1	-	-	
858	BY OTHER DRUGS	3	2	-	1	-
860 - 869	ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	5	4	1	-	-
860	BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	2	1	1	-	-
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	3	3	-	-	-
870 - 876	MISADVENTURES TO PATIENTS IN SURGICAL OR MEDICAL CARE	2	1	-	-	1
870	ACCIDENTAL CUT, PUNCTURE, PERFORATION, OR HEMORRHAGE DURING MEDICAL CARE	2	1	-	-	1
878 - 879	SURGICAL AND MEDICAL PROCEDURES CAUSING REACTION OR LATER COMPLICATIONS WITHOUT MISADVENTURE	4	2	-	2	-
878	SURGICAL PROCEDURES CAUSING REACTION WITHOUT MENTION OF MISADVENTURE AT THE TIME OF OPERATION	2	1	-	1	-
879	OTHER PROCEDURES WITHOUT MENTION OF MISADVENTURE	2	1	-	1	-
880 - 888	ACCIDENTAL FALLS	86	43	3	40	-
880	FALL ON OR FROM STAIRS OR STEPS	6	2	1	3	-
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	4	3	1	-	-
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	3	2	-	1	-
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	2	1	1	-	-
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	14	10	-	4	-
885	FALL ON SAME LEVEL FROM SLIP, TRIP, OR STUMBLE	11	5	-	6	-
887	FRACTURE, CAUSE UNSPECIFIED	5	3	-	2	-
888	OTHER AND UNSPECIFIED FALL	41	17	-	24	-
890 - 899	ACCIDENTS CAUSED BY FIRE AND FLAMES	9	6	1	2	-
890	CONFLAGRATION IN PRIVATE DWELLING	6	6	-	-	-
895	CONTROLLED FIRE IN PRIVATE DWELLING	1	-	-	1	-
898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES	1	-	-	1	-
899	UNSPECIFIED FIRE	1	-	1	-	-
900 - 909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS	12	7	3	2	-
901	EXCESSIVE COLD	4	2	1	1	-
902	HIGH AND LOW AIR PRESSURE AND CHANGES IN AIR PRESSURE	1	1	-	-	-
904	HUNGER, THIRST, EXPOSURE, AND NEGLECT	4	1	2	1	-
905	VENOMOUS ANIMALS AND PLANTS AS THE CAUSE OF POISONING AND TOXIC REACTIONS	1	1	-	-	-
907	LIGHTNING	1	1	-	-	-
909	CATACLYSMIC EARTH SURFACE MOVEMENTS	1	1	-	-	-
910 - 915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	32	18	3	10	1
910	ACCIDENTAL DROWNING AND SUBMERSION	18	11	2	4	1
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	9	5	-	4	-
912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	1	1	-	-	-
913	ACCIDENTAL MECHANICAL SUFFOCATION	4	1	1	2	-
916 - 928	OTHER ACCIDENTS	24	20	1	2	1
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	2	2	-	-	-
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	1	1	-	-	-
919	ACCIDENT CAUSED BY MACHINERY	9	7	-	2	-
922	CAUSED BY FIREARM MISSILE	5	5	-	-	-
923	CAUSED BY EXPLOSIVE MATERIAL	1	1	-	-	-
924	BY HOT SUBSTANCE, OBJECT, CAUSTIC MATERIAL, AND STEAM	1	1	-	-	-
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	3	3	-	-	-
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSE	2	-	1	-	1

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 9
FREQUENCY OF DEATH BY SEX, RACE,* AND CAUSE
MONTANA RESIDENTS, 1997

INTERNAT'L CLASSIF. (ICD-9)	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
929	LATE EFFECTS OF ACCIDENTAL INJURY	5	4	1	-	-
929	LATE EFFECTS OF ACCIDENTAL INJURY	5	4	1	-	-
950 - 959	SUICIDE AND SELF-INFLICTED INJURY	179	140	4	31	4
950	SELF-INFLICTED POISONING BY SOLID OR LIQUID	21	9	1	8	3
952	SELF-INFLICTED POISONING BY OTHER GASES AND VAPORS	12	8	-	4	-
953	SELF-INFLICTED INJURY BY HANGING, STRANGULTION, AND SUFFOCATION	20	15	1	4	-
954	SELF-INFLICTED INJURY BY DROWNING	2	2	-	-	-
955	SELF-INFLICTED INJURY BY FIREARMS AND EXPLOSIVES	118	103	2	13	-
956	SELF-INFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	1	-	-	1	-
957	SELF-INFLICTED INJURY BY JUMPING FROM HIGH PLACE	1	1	-	-	-
958	SELF-INFLICTED INJURY BY OTHER AND UNSPECIFIED MEANS	4	2	-	1	1
960 - 969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	37	24	4	9	-
963	ASSAULT BY HANGING AND STRANGULATION	1	-	-	1	-
965	ASSAULT BY FIREARMS AND EXPLOSIVES	25	17	-	8	-
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	6	4	2	-	-
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	5	3	2	-	-
970 - 978	LEGAL INTERVENTION	1	1	-	-	-
970	INJURY DUE TO LEGAL INTERVENTION BY FIREARMS	1	1	-	-	-
980 - 989	INJURY WITH UNDETERMINED INTENT	10	6	2	2	-
980	POISONING BY SOLID OR LIQUID SUBSTANCES	6	4	1	1	-
983	HANGING, STRANGULATION, OR SUFFOCATION	2	1	1	-	-
984	DROWNING, INTENTION UNDETERMINED	1	-	-	1	-
985	INJURY BY FIREARMS AND EXPLOSIVES	1	1	-	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 10

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	ALL AGES			UNDER 1 YEAR		1		2-4		5-9		10-14		15-17	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	EMAL	MALE	FEMALE
TOTAL, ALL CAUSES	7,730	4,035	3,695	43	30	2	9	11	5	5	6	14	3	25	8
CIRCULATORY SYSTEM DISEASES	2,859	1,455	1,404	1	3	-	-	1	-	-	-	-	-	-	-
HEART DISEASE	2,097	1,130	967	-	1	-	-	1	-	-	-	-	-	-	-
ACUTE MYOCARDIAL INFARCTION	561	339	222	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ISCHEMIC HEART DISEASE	583	321	262	-	-	-	-	-	-	-	-	-	-	-	-
PULMONARY HEART DISEASE	35	17	18	-	-	-	-	-	-	-	-	-	-	-	-
HYPERTENSIVE HEART DISEASE	60	23	37	-	-	-	-	-	-	-	-	-	-	-	-
HYPERTENSIVE HEART AND RENAL DISEASE	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-
RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE	23	4	19	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER HEART DISEASES	830	425	405	-	1	-	-	1	-	-	-	-	-	-	-
OTHER CIRCULATORY SYSTEM DISEASES	762	325	437	1	2	-	-	-	-	-	-	-	-	-	-
ESSENTIAL HYPERTENSION	20	7	13	-	-	-	-	-	-	-	-	-	-	-	-
HYPERTENSIVE RENAL DISEASE	15	10	5	-	-	-	-	-	-	-	-	-	-	-	-
CEREBROVASCULAR DISEASE (INCLUDING STROKE)	544	216	328	1	-	-	-	-	-	-	-	-	-	-	-
ATHEROSCLEROSIS	69	36	33	-	-	-	-	-	-	-	-	-	-	-	-
AORTIC ANEURYSM	61	36	25	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CIRCULATORY SYSTEM DISEASES	53	20	33	-	2	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	1,818	974	844	-	-	-	1	-	1	1	-	1	-	2	1
CANCER*	1,779	958	821	-	-	-	-	-	-	1	-	1	-	2	1
TRACHEA, BRONCHUS, AND LUNG	476	264	212	-	-	-	-	-	-	-	-	-	-	-	-
COLON	154	81	73	-	-	-	-	-	-	-	-	-	-	-	-
RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	26	19	7	-	-	-	-	-	-	-	-	-	-	-	-
PROSTATE	151	151	-	-	-	-	-	-	-	-	-	-	-	-	-
FEMALE BREAST	116	-	116	-	-	-	-	-	-	-	-	-	-	-	-
CERVIX UTERI	11	-	11	-	-	-	-	-	-	-	-	-	-	-	-
UTERUS, OVARY, AND OTHER UTERINE ADNEXA	73	-	73	-	-	-	-	-	-	-	-	-	-	-	-
LEUKEMIA	62	39	23	-	-	-	-	-	-	-	-	-	-	-	-
OTHER LYMPHOID AND HEMATOPOIETIC TISSUE	135	74	61	-	-	-	-	-	-	-	-	-	-	1	-
PANCREAS	81	44	37	-	-	-	-	-	-	-	-	-	-	-	-
BRAIN	44	25	19	-	-	-	-	-	-	-	-	1	-	-	-
STOMACH	30	22	8	-	-	-	-	-	-	-	-	-	-	-	-
BLADDER	45	32	13	-	-	-	-	-	-	-	-	-	-	-	-
KIDNEY AND UNSPECIFIED URINARY ORGANS	39	22	17	-	-	-	-	-	-	-	-	-	-	-	-
LIP, ORAL CAVITY, AND PHARYNX	22	16	6	-	-	-	-	-	-	-	-	-	-	-	-
ESOPHAGUS	36	29	7	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER CANCER	278	140	138	-	-	-	-	-	-	1	-	-	-	1	1
PREMALIGNANT AND BENIGN NEOPLASMS**	39	16	23	-	-	-	1	-	1	-	-	-	-	-	-
PREMALIGNANT AND BENIGN NEOPLASMS	39	16	23	-	-	-	1	-	1	-	-	-	-	-	-
RESPIRATORY SYSTEM DISEASES	947	486	461	-	-	1	-	2	-	1	-	-	-	1	-
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	532	284	246	-	-	-	-	-	-	-	-	-	-	-	-
EMPHYSEMA	68	42	26	-	-	-	-	-	-	-	-	-	-	-	-
ASTHMA	22	8	14	-	-	-	-	-	-	-	-	-	-	-	-
BRONCHITIS	19	9	10	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES	423	225	198	-	-	-	-	-	-	-	-	-	-	-	-
PNEUMONIA AND INFLUENZA	300	137	163	-	-	-	-	1	-	1	-	-	-	-	-
PNEUMONIA	299	137	162	-	-	-	-	1	-	1	-	-	-	-	-
INFLUENZA	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY SYSTEM DISEASES	115	65	50	-	-	1	-	1	-	-	-	-	-	1	-
OTHER RESPIRATORY SYSTEM DISEASES	115	65	50	-	-	1	-	1	-	-	-	-	-	1	-
TRAUMATIC INJURIES AND POISONINGS	670	471	199	3	-	1	5	5	4	3	3	10	3	20	5

* AN UNCONTROLLED AND INVASIVE GROWTH CAPABLE OF SPREADING TO A DISTANT PART OF THE BODY.
** A NONINVASIVE GROWTH UNLIKELY TO SPREAD TO OTHER PARTS OF THE BODY.

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	ALL AGES			UNDER 1 YEAR		1		2-4		5-9		10-14		15-17	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	EMAL	MALE	FEMALE
MOTOR VEHICLE ACCIDENTS	230	146	84	2	-	-	3	1	2	1	2	1	1	11	4
MOTOR VEHICLE ACCIDENTS	230	146	84	2	-	-	3	1	2	1	2	1	1	11	4
OTHER ACCIDENTS	213	144	69	1	-	-	2	4	2	2	1	7	2	2	-
OTHER TRANSPORTATION ACCIDENTS	26	19	7	-	-	-	-	1	-	-	-	-	1	1	-
ACCIDENTAL FALLS	88	46	40	-	-	-	-	-	-	-	-	1	-	-	-
ACCIDENTAL DROWNING AND SUFFOCATION	32	21	11	1	-	-	1	2	2	1	1	1	-	1	-
ACCIDENTAL POISONING	13	12	1	-	-	-	-	-	-	-	-	-	-	-	-
DWELLING FIRE	6	6	-	-	-	-	-	-	-	-	-	1	-	-	-
OTHER FIRE AND FLAME	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENT CAUSED BY FIREARM MISSILE	5	5	-	-	-	-	-	-	-	-	-	3	-	-	-
OTHER ACCIDENTAL INJURIES AND POISONING	38	31	7	-	-	-	1	1	-	1	-	1	1	-	-
EXCESSIVE COLD	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
SUICIDE	179	144	35	-	-	-	-	-	-	-	-	-	-	6	1
SUICIDE BY FIREARM	118	105	13	-	-	-	-	-	-	-	-	-	-	4	-
OTHER SUICIDES	61	39	22	-	-	-	-	-	-	-	-	-	-	2	1
HOMICIDE	37	28	9	-	-	1	-	-	-	-	-	2	-	1	-
ASSAULT BY FIREARM	25	17	8	-	-	-	-	-	-	-	-	2	-	1	-
OTHER HOMICIDE	12	11	1	-	-	1	-	-	-	-	-	-	-	-	-
LEGAL INTERVENTION	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
LEGAL INTERVENTION	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
INJURY INTENTION UNDETERMINED	10	8	2	-	-	-	-	-	-	-	-	-	-	-	-
INJURY INTENTION UNDETERMINED	10	8	2	-	-	-	-	-	-	-	-	-	-	-	-
DIGESTIVE SYSTEM DISEASES	269	127	142	1	1	-	-	-	-	-	-	-	-	-	-
CHRONIC LIVER DISEASE AND CIRRHOSIS	75	53	22	-	-	-	-	-	-	-	-	-	-	-	-
CHRONIC LIVER DISEASE AND CIRRHOSIS	75	53	22	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DIGESTIVE SYSTEM DISEASES	194	74	120	1	1	-	-	-	-	-	-	-	-	-	-
DIGESTIVE SYSTEM DISEASES	194	74	120	1	1	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES AND IMMUNITY DISORDERS	231	101	130	-	-	-	-	1	-	-	1	-	-	-	-
DIABETES MELLITUS	169	73	96	-	-	-	-	-	-	-	1	-	-	-	-
OTHER ENDOCRINE, NUTRITIONAL, AND METABOLIC CONDITIONS AND IMMUNITY DISORDERS	62	28	34	-	-	-	-	1	-	-	-	-	-	-	-
NUTRITIONAL DEFICIENCIES	13	3	10	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METABOLIC AND IMMUNITY DISORDERS	49	25	24	-	-	-	-	1	-	-	-	-	-	-	-
NERVOUS SYSTEM AND SENSE ORGAN DISEASES	206	95	111	1	2	-	1	-	-	-	-	1	-	1	-
CEREBRAL DEGENERATIONS	90	31	59	-	-	-	-	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE	81	26	55	-	-	-	-	-	-	-	-	-	-	-	-
CEREBRAL DEGENERATIONS IN CHILDHOOD	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CEREBRAL DEGENERATIONS	8	5	3	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NERVOUS SYSTEM AND SENSE ORGAN DISORDERS	116	64	52	1	2	-	1	-	-	-	-	1	-	1	-
PARKINSON'S DISEASE	36	21	15	-	-	-	-	-	-	-	-	-	-	-	-
MENINGITIS	3	2	1	1	1	-	-	-	-	-	-	-	-	-	-
OTHER DISEASES AND DISORDERS OF THE CNS	63	32	31	-	-	-	1	-	-	-	-	1	-	1	-
PERIPHERAL NERVOUS SYSTEM, EYE, AND EAR	14	9	5	-	1	-	-	-	-	-	-	-	-	-	-
MENTAL DISORDERS	203	80	123	-	-	-	-	-	-	-	-	-	-	-	-
ORGANIC PSYCHOTIC CONDITIONS	100	34	66	-	-	-	-	-	-	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PSYCHOSES	66	21	45	-	-	-	-	-	-	-	-	-	-	-	-
ALCOHOL DEPENDENCE SYNDROME	18	14	4	-	-	-	-	-	-	-	-	-	-	-	-
DRUG DEPENDENCE OR ABUSE	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MENTAL DISORDERS	11	6	5	-	-	-	-	-	-	-	-	-	-	-	-
GENITOURINARY SYSTEM DISEASES	140	68	72	-	-	-	-	-	-	-	-	-	-	-	-
GENITOURINARY SYSTEM DISEASES	140	68	72	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 10 (CONTINUED)

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	ALL AGES			UNDER 1 YEAR		1		2-4		5-9		10-14		15-17	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	EMAL	MALE	FEMALE
NEPHRITIS AND NEPHROSIS	98	49	49	-	-	-	-	-	-	-	-	-	-	-	-
OTHER GENITOURINARY SYSTEM DISEASES	42	19	23	-	-	-	-	-	-	-	-	-	-	-	-
INFECTIOUS AND PARASITIC DISEASES	89	43	46	2	-	-	-	1	-	-	1	-	-	-	-
INFECTIOUS AND PARASITIC DISEASES	89	43	46	2	-	-	-	1	-	-	1	-	-	-	-
TUBERCULOSIS	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
SEPTICEMIA	52	22	30	1	-	-	-	-	-	-	1	-	-	-	-
HIV INFECTION	10	9	1	-	-	-	-	-	-	-	-	-	-	-	-
LATE EFFECTS OF POLIOMYELITIS	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INFECTIOUS AND PARASITIC DISEASES	24	12	12	1	-	-	-	1	-	-	-	-	-	-	-
CONDITIONS ORIGINATING IN EARLY INFANCY	25	16	9	16	9	-	-	-	-	-	-	-	-	-	-
CONDITIONS ORIGINATING IN EARLY INFANCY	25	16	9	16	9	-	-	-	-	-	-	-	-	-	-
MATERNAL COMPLICATION OF PREGNANCY	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-
PLACENTA, CORD, AND MEMBRANES	6	5	1	5	1	-	-	-	-	-	-	-	-	-	-
SHORT GESTATION AND LOW BIRTHWEIGHT	4	2	2	2	2	-	-	-	-	-	-	-	-	-	-
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	4	3	1	3	1	-	-	-	-	-	-	-	-	-	-
RESPIRATORY DISTRESS SYNDROME	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY CONDITIONS	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-
PERINATAL INFECTIONS	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE AND METABOLIC DISTURBANCES	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
PERINATAL DIGESTIVE DISORDERS	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
INTEGUMENT AND TEMPERATURE REGULATION	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-
OTHER EARLY INFANCY CONDITIONS	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES	39	19	20	7	9	-	2	1	-	-	-	1	-	-	1
CONGENITAL ANOMALIES	39	19	20	7	9	-	2	1	-	-	-	1	-	-	1
SPINA BIFIDA	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NERVOUS SYSTEM ANOMALIES	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
BULBUS CORDIS AND CARDIAC SEPTAL CLOSURE	5	1	4	-	1	-	1	-	-	-	-	-	-	-	-
OTHER ANOMALIES OF HEART	7	6	1	2	-	-	-	-	-	-	-	-	-	-	-
OTHER CIRCULATORY SYSTEM ANOMALIES	4	3	1	-	-	-	-	1	-	-	-	-	-	-	-
CHROMOSOMAL ANOMALIES	8	4	4	2	2	-	-	-	-	-	-	1	-	-	-
ANOMALIES OF RESPIRATORY SYSTEM	5	-	5	-	4	-	1	-	-	-	-	-	-	-	-
OTHER DIGESTIVE SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MUSCULOSKELETAL ANOMALIES	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED ANOMALIES	4	-	4	-	2	-	-	-	-	-	-	-	-	-	1
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	144	68	76	12	6	-	-	-	-	-	1	1	-	1	1
ILL-DEFINED AND UNKNOWN CAUSES	132	61	71	12	6	-	-	-	-	-	1	1	-	1	1
SENILITY WITHOUT MENTION OF PSYCHOSIS	33	9	24	-	-	-	-	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME	13	11	2	11	2	-	-	-	-	-	-	-	-	-	-
OTHER ILL DEFINED AND UNKNOWN CAUSES	86	41	45	1	4	-	-	-	-	-	1	1	-	1	1
SYMPTOMS	12	7	5	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS AND NONSPECIFIED ABNORMAL FINDINGS	12	7	5	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER CAUSES	90	32	58	-	-	-	-	-	-	-	-	-	-	-	-
MUSCULOSKELETAL SYSTEM	51	20	31	-	-	-	-	-	-	-	-	-	-	-	-
MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	51	20	31	-	-	-	-	-	-	-	-	-	-	-	-
BLOOD AND BLOOD-FORMING ORGAN DISEASES	32	11	21	-	-	-	-	-	-	-	-	-	-	-	-
OTHER BLOOD AND BLOOD-FORMING ORGAN DISEASES	32	11	21	-	-	-	-	-	-	-	-	-	-	-	-
SKIN AND SUBCUTANEOUS TISSUE DISEASES	7	1	6	-	-	-	-	-	-	-	-	-	-	-	-
SKIN AND SUBCUTANEOUS TISSUE DISEASES	7	1	6	-	-	-	-	-	-	-	-	-	-	-	-

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	18-19		20-24		25-29		30-34		35-39		40-44		45-49		50–54
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
TOTAL, ALL CAUSES	28	9	54	11	46	16	52	26	75	32	88	63	125	66	148
CIRCULATORY SYSTEM DISEASES	1	3	1	-	2	3	2	2	8	4	16	10	40	9	51
HEART DISEASE	1	3	1	-	1	2	1	1	7	3	15	7	30	7	45
ACUTE MYOCARDIAL INFARCTION	-	-	-	-	1	1	-	-	2	-	4	4	14	-	17
OTHER ISCHEMIC HEART DISEASE	-	-	-	-	-	-	-	-	2	3	6	2	8	2	15
PULMONARY HEART DISEASE	1	1	-	-	-	-	1	-	1	-	-	-	-	2	1
HYPERTENSIVE HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
HYPERTENSIVE HEART AND RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER HEART DISEASES	-	2	1	-	-	1	-	1	2	-	5	1	7	3	12
OTHER CIRCULATORY SYSTEM DISEASES	-	-	-	-	1	1	1	1	1	1	1	3	10	2	6
ESSENTIAL HYPERTENSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CEREBROVASCULAR DISEASE (INCLUDING STROKE)	-	-	-	-	1	1	1	1	1	1	1	2	8	2	1
ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
AORTIC ANEURYSM	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3
OTHER CIRCULATORY SYSTEM DISEASES	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
NEOPLASMS	-	-	1	-	4	4	6	4	4	6	10	14	26	23	35
CANCER*	-	-	1	-	4	3	6	4	4	6	10	14	25	23	33
TRACHEA, BRONCHUS, AND LUNG	-	-	-	-	-	-	-	-	2	-	1	1	4	2	10
COLON	-	-	-	-	-	-	1	1	-	-	-	2	3	1	2
RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1
PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
FEMALE BREAST	-	-	-	-	-	-	-	-	-	2	-	5	-	7	-
CERVIX UTERI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTERUS, OVARY, AND OTHER UTERINE ADNEXA	-	-	-	-	-	-	-	1	-	-	-	3	-	4	-
LEUKEMIA	-	-	-	-	1	-	1	-	-	-	1	1	2	-	1
OTHER LYMPHOID AND HEMATOPOIETIC TISSUE	-	-	-	-	2	-	1	-	1	1	3	-	3	1	2
PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
BRAIN	-	-	-	-	1	1	1	-	-	1	2	2	-	2	2
STOMACH	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
BLADDER	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
KIDNEY AND UNSPECIFIED URINARY ORGANS	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
LIP, ORAL CAVITY, AND PHARYNX	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2
ESOPHAGUS	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2
ALL OTHER CANCER	-	-	1	-	-	1	1	1	1	2	3	-	6	3	8
PREMALIGNANT AND BENIGN NEOPLASMS**	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2
PREMALIGNANT AND BENIGN NEOPLASMS	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2
RESPIRATORY SYSTEM DISEASES	-	1	-	-	-	-	1	2	-	1	1	-	6	2	9
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	-	-	-	-	-	-	-	-	-	1	-	-	4	1	4
EMPHYSEMA	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
ASTHMA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
BRONCHITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES	-	-	-	-	-	-	-	-	-	1	-	-	1	-	4
PNEUMONIA AND INFLUENZA	-	1	-	-	-	-	-	2	-	-	1	-	2	1	3
PNEUMONIA	-	1	-	-	-	-	-	2	-	-	1	-	2	1	3
INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY SYSTEM DISEASES	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2
OTHER RESPIRATORY SYSTEM DISEASES	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2
TRAUMATIC INJURIES AND POISONINGS	23	3	50	9	39	7	37	12	48	14	36	23	31	17	28

* AN UNCONTROLLED AND INVASIVE GROWTH CAPABLE OF SPREADING TO A DISTANT PART OF THE BODY.
** A NONINVASIVE GROWTH UNLIKELY TO SPREAD TO OTHER PARTS OF THE BODY

TABLE 10 (CONTINUED)

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	18-19		20-24		25-29		30-34		35-39		40-44		45-49		50–54
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
MOTOR VEHICLE ACCIDENTS	14	-	28	4	13	6	12	6	14	6	8	7	5	14	12
MOTOR VEHICLE ACCIDENTS	14	-	28	4	13	6	12	6	14	6	8	7	5	14	12
OTHER ACCIDENTS	3	-	10	-	6	-	7	1	12	3	9	6	16	1	4
OTHER TRANSPORTATION ACCIDENTS	-	-	2	-	-	-	1	-	4	-	4	4	-	1	1
ACCIDENTAL FALLS	1	-	3	-	1	-	-	-	2	-	2	-	3	-	1
ACCIDENTAL DROWNING AND SUFFOCATION	-	-	1	-	1	-	1	1	-	-	1	-	2	-	-
ACCIDENTAL POISONING	1	-	-	-	1	-	2	-	3	-	-	-	3	-	2
DWELLING FIRE	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
OTHER FIRE AND FLAME	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
ACCIDENT CAUSED BY FIREARM MISSILE	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
OTHER ACCIDENTAL INJURIES AND POISONING	1	-	4	-	2	-	1	-	2	2	2	1	6	-	-
EXCESSIVE COLD	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
SUICIDE	4	2	10	4	16	-	12	3	19	4	13	7	7	2	10
SUICIDE BY FIREARM	3	1	8	-	8	-	9	1	14	2	9	5	5	-	8
OTHER SUICIDES	1	1	2	4	8	-	3	2	5	2	4	2	2	2	2
HOMICIDE	1	1	2	1	4	1	6	1	1	1	3	3	1	-	1
ASSAULT BY FIREARM	1	-	2	1	3	1	3	1	-	1	1	3	1	-	-
OTHER HOMICIDE	-	1	-	-	1	-	3	-	1	-	2	-	-	-	1
LEGAL INTERVENTION	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
LEGAL INTERVENTION	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
INJURY INTENTION UNDETERMINED	1	-	-	-	-	-	-	1	2	-	2	-	2	-	1
INJURY INTENTION UNDETERMINED	1	-	-	-	-	-	-	1	2	-	2	-	2	-	1
DIGESTIVE SYSTEM DISEASES	-	-	-	-	1	-	2	2	1	3	16	3	5	2	11
CHRONIC LIVER DISEASE AND CIRRHOSIS	-	-	-	-	1	-	1	2	1	2	12	2	3	1	5
CHRONIC LIVER DISEASE AND CIRRHOSIS	-	-	-	-	1	-	1	2	1	2	12	2	3	1	5
OTHER DIGESTIVE SYSTEM DISEASES	-	-	-	-	-	-	1	-	-	1	4	1	2	1	6
DIGESTIVE SYSTEM DISEASES	-	-	-	-	-	-	1	-	-	1	4	1	2	1	6
ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES AND IMMUNITY DISORDERS	-	1	-	1	-	-	1	-	4	-	3	2	1	4	4
DIABETES MELLITUS	-	-	-	-	-	-	-	-	4	-	1	1	1	2	2
OTHER ENDOCRINE, NUTRITIONAL, AND METABOLIC CONDITIONS AND IMMUNITY DISORDERS	-	1	-	1	-	-	1	-	-	-	2	1	-	2	2
NUTRITIONAL DEFICIENCIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METABOLIC AND IMMUNITY DISORDERS	-	1	-	1	-	-	1	-	-	-	2	1	-	2	2
NERVOUS SYSTEM AND SENSE ORGAN DISEASES	1	1	1	-	-	-	-	-	-	1	2	5	1	2	3
CEREBRAL DEGENERATIONS	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CEREBRAL DEGENERATIONS IN CHILDHOOD	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CEREBRAL DEGENERATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NERVOUS SYSTEM AND SENSE ORGAN DISORDERS	1	-	1	-	-	-	-	-	-	1	2	5	1	2	3
PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MENINGITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OTHER DISEASES AND DISORDERS OF THE CNS	-	-	-	-	-	-	-	-	-	1	2	5	1	2	2
PERIPHERAL NERVOUS SYSTEM, EYE, AND EAR	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
MENTAL DISORDERS	1	-	-	-	-	-	-	-	1	1	2	2	8	3	2
MENTAL DISORDERS	1	-	-	-	-	-	-	-	1	1	2	2	8	3	2
ORGANIC PSYCHOTIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ALCOHOLIC PSYCHOSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PSYCHOSES	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
ALCOHOL DEPENDENCE SYNDROME	-	-	-	-	-	-	-	-	-	-	2	1	6	2	1
DRUG DEPENDENCE OR ABUSE	1	-	-	-	-	-	-	-	1	-	-	1	1	1	-
OTHER MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
GENITOURINARY SYSTEM DISEASES	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-
GENITOURINARY SYSTEM DISEASES	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-

TABLE 10 (CONTINUED)

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	18-19		20-24		25-29		30-34		35-39		40-44		45-49		50–54
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
NEPHRITIS AND NEPHROSIS	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
OTHER GENITOURINARY SYSTEM DISEASES	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	-	-	2	1	7	1	-	1	2	-	3
INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	-	-	2	1	7	1	-	1	2	-	3
TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEPTICEMIA	-	-	-	-	-	-	-	-	1	-	-	1	2	-	-
HIV INFECTION	-	-	-	-	-	-	2	1	6	-	-	-	-	-	1
LATE EFFECTS OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
CONDITIONS ORIGINATING IN EARLY INFANCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONDITIONS ORIGINATING IN EARLY INFANCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MATERNAL COMPLICATION OF PREGNANCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLACENTA, CORD, AND MEMBRANES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHORT GESTATION AND LOW BIRTHWEIGHT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RESPIRATORY DISTRESS SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERINATAL INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE AND METABOLIC DISTURBANCES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERINATAL DIGESTIVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INTEGUMENT AND TEMPERATURE REGULATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER EARLY INFANCY CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES	2	-	-	-	-	-	-	2	2	-	-	-	1	1	2
CONGENITAL ANOMALIES	2	-	-	-	-	-	-	2	2	-	-	-	1	1	2
SPINA BIFIDA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
OTHER NERVOUS SYSTEM ANOMALIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BULBUS CORDIS AND CARDIAC SEPTAL CLOSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ANOMALIES OF HEART	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
OTHER CIRCULATORY SYSTEM ANOMALIES	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-
CHROMOSOMAL ANOMALIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ANOMALIES OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OTHER MUSCULOSKELETAL ANOMALIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED ANOMALIES	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	-	-	1	-	-	1	-	1	-	-	1	2	2	2	-
ILL-DEFINED AND UNKNOWN CAUSES	-	-	1	-	-	1	-	1	-	-	1	2	2	2	-
SENILITY WITHOUT MENTION OF PSYCHOSIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ILL DEFINED AND UNKNOWN CAUSES	-	-	1	-	-	1	-	1	-	-	1	2	2	2	-
SYMPTOMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS AND NONSPECIFIED ABNORMAL FINDINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER CAUSES	-	-	-	1	-	1	-	-	-	1	1	-	1	1	-
MUSCULOSKELETAL SYSTEM	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
BLOOD AND BLOOD-FORMING ORGAN DISEASES	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-
OTHER BLOOD AND BLOOD-FORMING ORGAN DISEASES	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-
SKIN AND SUBCUTANEOUS TISSUE DISEASES	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SKIN AND SUBCUTANEOUS TISSUE DISEASES	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	50–54	55-59		60-64		65-69		70-74		75-79		80-84		85 OR OLDER	
	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL, ALL CAUSES	93	197	121	236	185	359	230	511	354	572	473	652	612	792	1,343
CIRCULATORY SYSTEM DISEASES	18	70	37	90	48	135	62	188	122	222	187	261	232	366	664
HEART DISEASE	14	61	28	75	36	115	48	144	78	167	125	200	154	266	460
ACUTE MYOCARDIAL INFARCTION	4	24	7	26	14	46	21	50	20	48	34	56	45	51	72
OTHER ISCHEMIC HEART DISEASE	5	17	5	18	5	30	7	37	31	56	31	54	40	78	131
PULMONARY HEART DISEASE	1	1	3	2	1	1	1	2	3	2	3	2	2	3	1
HYPERTENSIVE HEART DISEASE	1	-	-	3	-	2	1	4	1	2	7	3	6	8	21
HYPERTENSIVE HEART AND RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3
RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE	-	2	2	1	2	-	2	-	-	1	5	-	2	-	6
ALL OTHER HEART DISEASES	3	17	11	25	14	36	16	51	23	58	45	85	58	125	226
OTHER CIRCULATORY SYSTEM DISEASES	4	9	9	15	12	20	14	44	44	55	62	61	78	100	204
ESSENTIAL HYPERTENSION	-	-	-	-	-	1	1	-	1	3	1	2	4	1	6
HYPERTENSIVE RENAL DISEASE	-	-	-	1	-	-	-	4	3	2	1	1	-	2	1
CEREBROVASCULAR DISEASE (INCLUDING STROKE)	2	7	7	8	10	12	8	26	30	37	47	39	53	73	164
ATHEROSCLEROSIS	-	1	1	4	2	4	3	4	2	4	2	6	4	12	19
AORTIC ANEURYSM	1	1	1	1	-	2	2	6	5	6	5	10	6	5	5
OTHER CIRCULATORY SYSTEM DISEASES	1	-	-	1	-	1	-	4	3	3	6	3	11	7	9
NEOPLASMS	39	61	49	82	81	115	98	180	116	167	133	152	131	127	143
CANCER*	39	61	48	81	80	114	97	177	111	164	130	150	127	124	138
TRACHEA, BRONCHUS, AND LUNG	7	16	11	34	27	40	30	60	37	42	41	34	37	21	19
COLON	2	4	4	6	10	7	7	18	6	9	8	19	13	12	19
RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	-	-	-	2	-	4	3	3	1	2	1	3	1	3	-
PROSTATE	-	5	-	4	-	9	-	27	-	28	-	41	-	36	-
FEMALE BREAST	9	-	8	-	13	-	16	-	12	-	15	-	14	-	15
CERVIX UTERI	-	-	1	-	2	-	1	-	1	-	4	-	-	-	2
UTERUS, OVARY, AND OTHER UTERINE ADNEXA	5	-	3	-	3	-	5	-	5	-	17	-	12	-	15
LEUKEMIA	1	5	-	4	1	-	3	8	2	6	3	4	5	6	7
OTHER LYMPHOID AND HEMATOPOIETIC TISSUE	2	5	6	5	4	7	9	12	9	16	8	9	9	7	12
PANCREAS	2	2	3	6	4	5	6	9	4	10	7	8	3	3	8
BRAIN	-	3	1	7	1	2	2	1	6	3	1	2	2	-	-
STOMACH	-	2	2	2	-	2	-	1	1	2	3	1	-	9	1
BLADDER	1	1	-	1	1	4	-	6	2	9	4	4	1	7	2
KIDNEY AND UNSPECIFIED URINARY ORGANS	1	4	-	2	4	3	1	4	3	3	3	3	2	1	3
LIP, ORAL CAVITY, AND PHARYNX	-	1	-	2	1	-	-	4	1	2	1	2	1	2	1
ESOPHAGUS	-	6	1	-	1	8	-	4	1	6	1	-	2	1	1
ALL OTHER CANCER	9	7	8	6	8	23	14	20	20	26	13	20	25	16	33
PREMALIGNANT AND BENIGN NEOPLASMS**	-	-	1	1	1	1	1	3	5	3	3	2	4	3	5
PREMALIGNANT AND BENIGN NEOPLASMS	-	-	1	1	1	1	1	3	5	3	3	2	4	3	5
RESPIRATORY SYSTEM DISEASES	11	18	13	16	22	44	30	55	52	91	65	114	91	126	171
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	10	16	12	13	15	31	21	36	37	64	47	66	56	50	48
EMPHYSEMA	-	2	1	2	1	3	1	8	8	10	6	6	4	9	4
ASTHMA	2	2	2	-	2	1	1	1	-	2	3	-	2	1	2
BRONCHITIS	1	1	-	1	1	-	1	1	1	2	1	4	2	-	3
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES	7	11	9	10	11	27	18	26	28	50	37	56	48	40	39
PNEUMONIA AND INFLUENZA	-	1	-	3	4	6	5	15	12	20	10	32	28	52	100
PNEUMONIA	-	1	-	3	4	6	5	15	12	20	10	32	28	52	99
INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OTHER RESPIRATORY SYSTEM DISEASES	1	1	1	-	3	7	4	4	3	7	8	16	7	24	23
OTHER RESPIRATORY SYSTEM DISEASES	1	1	1	-	3	7	4	4	3	7	8	16	7	24	23
TRAUMATIC INJURIES AND POISONINGS	8	25	6	20	11	11	8	20	13	20	10	15	15	26	23

* AN UNCONTROLLED AND INVASIVE GROWTH CAPABLE OF SPREADING TO A DISTANT PART OF THE BODY.
** A NONINVASIVE GROWTH UNLIKELY TO SPREAD TO OTHER PARTS OF THE BODY.

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	50–54	55-59		60-64		65-69		70-74		75-79		80-84		85 OR OLDER	
	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MOTOR VEHICLE ACCIDENTS	2	5	1	3	7	1	6	4	4	6	3	2	4	3	2
MOTOR VEHICLE ACCIDENTS	2	5	1	3	7	1	6	4	4	6	3	2	4	3	2
OTHER ACCIDENTS	2	9	1	6	3	4	1	7	7	8	6	9	10	18	21
OTHER TRANSPORTATION ACCIDENTS	-	2	-	1	1	1	-	-	-	1	-	-	-	-	-
ACCIDENTAL FALLS	1	2	1	1	2	-	-	5	4	4	2	6	10	14	20
ACCIDENTAL DROWNING AND SUFFOCATION	1	1	-	2	-	-	-	2	1	1	3	-	-	3	1
ACCIDENTAL POISONING	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
DWELLING FIRE	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-
OTHER FIRE AND FLAME	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
ACCIDENT CAUSED BY FIREARM MISSILE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ACCIDENTAL INJURIES AND POISONING	-	3	-	1	-	3	1	-	-	1	1	2	-	-	-
EXCESSIVE COLD	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
SUICIDE	4	10	4	9	-	4	1	9	2	6	1	4	-	5	-
SUICIDE BY FIREARM	2	7	-	8	-	4	-	8	1	3	1	4	-	3	-
OTHER SUICIDES	2	3	4	1	-	-	1	1	1	3	-	-	-	2	-
HOMICIDE	-	1	-	2	1	2	-	-	-	-	-	-	-	-	-
ASSAULT BY FIREARM	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-
OTHER HOMICIDE	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
LEGAL INTERVENTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEGAL INTERVENTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INJURY INTENTION UNDETERMINED	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
INJURY INTENTION UNDETERMINED	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
DIGESTIVE SYSTEM DISEASES	5	8	6	9	5	12	9	11	12	10	15	19	27	21	52
CHRONIC LIVER DISEASE AND CIRRHOSIS	4	4	2	4	2	7	4	4	1	4	1	4	1	3	-
CHRONIC LIVER DISEASE AND CIRRHOSIS	4	4	2	4	2	7	4	4	1	4	1	4	1	3	-
OTHER DIGESTIVE SYSTEM DISEASES	1	4	4	5	3	5	5	7	11	6	14	15	26	18	52
DIGESTIVE SYSTEM DISEASES	1	4	4	5	3	5	5	7	11	6	14	15	26	18	52
ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES AND IMMUNITY DISORDERS	2	4	2	6	9	13	10	12	13	21	18	13	25	18	42
DIABETES MELLITUS	1	2	1	4	9	11	9	11	13	17	18	7	16	13	25
OTHER ENDOCRINE, NUTRITIONAL, AND METABOLIC CONDITIONS AND IMMUNITY DISORDERS	1	2	1	2	-	2	1	1	-	4	-	6	9	5	17
NUTRITIONAL DEFICIENCIES	1	-	-	-	-	1	-	-	-	1	-	-	2	1	7
OTHER METABOLIC AND IMMUNITY DISORDERS	-	2	1	2	-	1	1	1	-	3	-	6	7	4	10
NERVOUS SYSTEM AND SENSE ORGAN DISEASES	3	3	4	4	2	5	3	11	7	11	16	22	22	28	42
CEREBRAL DEGENERATIONS	-	-	-	1	-	-	-	1	1	4	11	13	15	12	31
ALZHEIMER'S DISEASE	-	-	-	1	-	-	-	1	1	4	10	12	15	8	29
CEREBRAL DEGENERATIONS IN CHILDHOOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CEREBRAL DEGENERATIONS	-	-	-	-	-	-	-	-	-	-	1	1	-	4	2
OTHER NERVOUS SYSTEM AND SENSE ORGAN DISORDERS	3	3	4	3	2	5	3	10	6	7	5	9	7	16	11
PARKINSON'S DISEASE	-	-	-	1	-	1	-	1	-	2	3	5	3	11	9
MENINGITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DISEASES AND DISORDERS OF THE CNS	3	3	4	2	2	4	3	8	4	4	2	1	3	3	1
PERIPHERAL NERVOUS SYSTEM, EYE, AND EAR	-	-	-	-	-	-	-	1	2	1	-	3	1	2	1
MENTAL DISORDERS	-	-	-	2	2	4	-	5	5	6	6	20	22	29	82
MENTAL DISORDERS	-	-	-	2	2	4	-	5	5	6	6	20	22	29	82
ORGANIC PSYCHOTIC CONDITIONS	-	-	-	-	2	-	-	2	1	3	4	12	13	16	46
ALCOHOLIC PSYCHOSES	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
OTHER PSYCHOSES	-	-	-	-	-	1	-	1	1	2	2	5	9	11	33
ALCOHOL DEPENDENCE SYNDROME	-	-	-	2	-	2	-	-	1	-	-	1	-	-	-
DRUG DEPENDENCE OR ABUSE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
OTHER MENTAL DISORDERS	-	-	-	-	-	1	-	1	1	-	-	2	-	2	3
GENITOURINARY SYSTEM DISEASES	-	4	-	-	-	7	3	10	3	7	9	13	16	25	40
GENITOURINARY SYSTEM DISEASES	-	4	-	-	-	7	3	10	3	7	9	13	16	25	40

FREQUENCY OF DEATH BY AGE, SEX, AND CAUSE
MONTANA RESIDENTS, 1997

CAUSE OF DEATH	50–54	55-59		60-64		65-69		70-74		75-79		80-84		85 OR OLDER	
	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
NEPHRITIS AND NEPHROSIS	-	3	-	-	-	4	3	9	3	5	5	10	13	16	25
OTHER GENITOURINARY SYSTEM DISEASES	-	1	-	-	-	3	-	1	-	2	4	3	3	9	15
INFECTIOUS AND PARASITIC DISEASES	1	-	2	2	3	5	1	6	2	4	5	6	12	3	16
INFECTIOUS AND PARASITIC DISEASES	1	-	2	2	3	5	1	6	2	4	5	6	12	3	16
TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
SEPTICEMIA	1	-	2	1	2	2	-	5	1	2	4	5	8	3	10
HIV INFECTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LATE EFFECTS OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OTHER INFECTIOUS AND PARASITIC DISEASES	-	-	-	1	1	3	1	1	1	2	-	1	3	-	5
CONDITIONS ORIGINATING IN EARLY INFANCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONDITIONS ORIGINATING IN EARLY INFANCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MATERNAL COMPLICATION OF PREGNANCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLACENTA, CORD, AND MEMBRANES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHORT GESTATION AND LOW BIRTHWEIGHT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RESPIRATORY DISTRESS SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERINATAL INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE AND METABOLIC DISTURBANCES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERINATAL DIGESTIVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INTEGUMENT AND TEMPERATURE REGULATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER EARLY INFANCY CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES	2	1	1	-	-	1	1	1	-	-	1	-	-	-	-
CONGENITAL ANOMALIES	2	1	1	-	-	1	1	1	-	-	1	-	-	-	-
SPINA BIFIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NERVOUS SYSTEM ANOMALIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BULBUS CORDIS AND CARDIAC SEPTAL CLOSURE	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-
OTHER ANOMALIES OF HEART	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
OTHER CIRCULATORY SYSTEM ANOMALIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMOSOMAL ANOMALIES	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ANOMALIES OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MUSCULOSKELETAL ANOMALIES	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED ANOMALIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	1	3	-	3	2	5	2	8	6	6	2	10	6	15	43
ILL-DEFINED AND UNKNOWN CAUSES	1	3	-	3	2	3	2	7	6	4	2	10	4	13	40
SENILITY WITHOUT MENTION OF PSYCHOSIS	-	-	-	-	-	-	-	-	-	2	1	4	1	3	22
SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ILL DEFINED AND UNKNOWN CAUSES	1	3	-	3	2	3	2	7	6	2	1	6	3	10	18
SYMPTOMS	-	-	-	-	-	2	-	1	-	2	-	-	2	2	3
SYMPTOMS AND NONSPECIFIED ABNORMAL FINDINGS	-	-	-	-	-	2	-	1	-	2	-	-	2	2	3
ALL OTHER CAUSES	3	-	1	2	-	2	3	4	3	7	6	7	13	8	25
MUSCULOSKELETAL SYSTEM	2	-	1	2	-	2	2	1	2	4	3	3	9	6	12
MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	2	-	1	2	-	2	2	1	2	4	3	3	9	6	12
BLOOD AND BLOOD-FORMING ORGAN DISEASES	1	-	-	-	-	-	1	2	1	3	2	4	1	2	12
OTHER BLOOD AND BLOOD-FORMING ORGAN DISEASES	1	-	-	-	-	-	1	2	1	3	2	4	1	2	12
SKIN AND SUBCUTANEOUS TISSUE DISEASES	-	-	-	-	-	-	-	1	-	-	1	-	3	-	1
SKIN AND SUBCUTANEOUS TISSUE DISEASES	-	-	-	-	-	-	-	1	-	-	1	-	3	-	1

FREQUENCY OF ACCIDENTAL DEATH BY AGE AND TYPE OF ACCIDENT
PERCENT OF DEATHS IN EACH AGE GROUP THAT WERE ACCIDENTAL
MONTANA OCCURRENCES, 1997

NINTH REVISION INTERNATIONAL LIST NUMBER	ACCIDENTAL CAUSE OF DEATH	TOTAL ALL AGES	UNDER 1 YEAR	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65 AND OVER	NOT STATED
		NUMBER												
	TOTAL DEATHS, ALL CAUSES	7,754	68	25	11	19	75	66	146	264	445	739	5,896	-
	ACCIDENTAL DEATHS, TOTAL	500	3	14	6	13	41	42	56	73	68	43	141	-
810-825	MOTOR VEHICLE, TOTAL	277	2	7	3	2	36	32	42	41	44	22	46	-
800-807, 826-949	OTHER ACCIDENTS, TOTAL	223	1	7	3	11	5	10	14	32	24	21	95	-
800-807, 826-848	OTHER TRANSPORTATION, TOTAL	41	-	-	-	2	1	2	2	18	5	6	5	-
840-845	AIRCRAFT	24	-	-	-	1	-	-	2	9	4	4	4	-
800-807, 826-838, 846-848	OTHER	17	-	-	-	1	1	2	-	9	1	2	1	-
850-866	POISONING BY SOLIDS AND LIQUIDS, TOTAL	10	-	-	-	-	-	-	2	3	4	-	1	-
850-858	DRUGS AND MEDICATIONS	8	-	-	-	-	-	-	1	3	3	-	1	-
860-866	OTHER	2	-	-	-	-	-	-	1	-	1	-	-	-
867-869	POISONING BY GASES, TOTAL	6	-	-	-	-	1	-	1	-	2	1	1	-
867-8681	UTILITY GAS	1	-	-	-	-	-	-	-	-	1	-	-	-
8682-8699	OTHER	5	-	-	-	-	1	-	1	-	1	1	1	-
880-888	FALLS, TOTAL	83	-	-	-	1	1	3	1	2	4	6	65	-
880	ON OR FROM STAIRS	6	-	-	-	-	-	-	-	1	-	-	5	-
881	FROM LADDER OR SCAFFOLDING	4	-	-	-	-	-	-	-	-	1	-	3	-
882	FROM OR OUT OF BUILDING	3	-	-	-	-	1	-	-	-	1	-	1	-
883	INTO OPENING IN SURFACE	1	-	-	-	-	-	-	1	-	-	-	-	-
884	FROM ONE LEVEL TO ANOTHER	12	-	-	-	-	-	2	-	1	1	-	8	-
885-886	ON SAME LEVEL	11	-	-	-	1	-	1	-	-	1	1	7	-
887-888	FRACTURE OR FALL, UNSPECIFIED	46	-	-	-	-	-	-	-	-	-	5	41	-
890-899	FIRE AND FLAMES, TOTAL	9	-	-	-	1	-	-	1	2	1	2	2	-
890, 893.0, 895	FIRE IN PRIVATE DWELLING	7	-	-	-	1	-	-	1	2	-	2	1	-
891-892, 893.1-894, 896-899	OTHER FIRE AND FLAMES	2	-	-	-	-	-	-	-	-	1	-	1	-
922	INJURY BY FIREARMS, TOTAL	6	-	-	-	4	-	-	1	-	1	-	-	-
910	DROWNING, TOTAL	17	-	5	1	1	2	-	2	-	2	2	2	-
916	STRUCK BY FALLING OBJECT, TOTAL	2	-	-	-	-	-	-	-	1	1	-	-	-
919	MACHINERY, TOTAL	9	-	1	1	1	-	-	2	1	1	1	1	-
923	EXPLOSIONS, TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
870-879,900-909 911-915,917-918 920-921,924-949	OTHER ACCIDENTS, TOTAL	40	1	1	1	1	-	5	2	5	3	3	18	-
		PERCENT												
	ACCIDENTAL DEATHS, TOTAL	6 4	4.4	56.0	54.5	68 4	54.7	63.6	38.4	27.7	15.3	5 8	2.4	-
810-825	MOTOR VEHICLE, TOTAL	3 6	2 9	28.0	27.3	10.5	48.0	48.5	28.8	15.5	9.9	3 0	0 8	-
800-807,826-949	OTHER ACCIDENTS, TOTAL	2.9	1.5	28 0	27 3	57 9	6.7	15.2	9 6	12 1	5 4	2 8	1.6	-

* THE SUMS OF PERCENTS MAY DIFFER FROM THE TOTALS SHOWN BECAUSE EACH PERCENT WAS ROUNDED INDEPENDENTLY

TABLE 12

FREQUENCY OF DEATH FROM SELECTED CAUSES BY COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY	TOTAL	ACCI-DENTS 800-949	APPEN-DICITIS 540-543	CANCER 140-208	CEREBRO-VASCULAR DISEASE* 430-438	DIABETES 250	HEART DISEASE 390-398, 402, 404, 410-429	INFLU-ENZA 487	MENIN-GITIS 320-322	NEPH-RITIS 580-589	PNEU-MONIA 480-486	POLIO-MYELITIS 045, 138	TUBER-CULOSIS 010-018, 137	ALL OTHER CAUSE
MONTANA TOTAL	**7,730**	**443**	**8**	**1,779**	**544**	**189**	**2,097**	**1**	**3**	**98**	**299**	**1**	**2**	**2,2**
BEAVERHEAD	93	3	-	21	3	2	34	-	-	-	3	-	-	
BIG HORN	107	10	-	22	5	5	19	-	1	2	2	-	-	
BLAINE	54	2	-	9	2	2	15	-	-	1	3	-	-	
BROADWATER	41	-	-	7	4	-	15	-	-	-	2	-	-	
CARBON	99	15	-	26	9	3	17	1	-	-	2	-	-	
CARTER	18	3	-	5	-	-	4	-	-	-	1	-	-	
CASCADE	748	23	-	174	66	19	203	-	-	8	20	-	-	2
CHOUTEAU	56	1	-	12	7	1	19	-	-	2	-	-	-	
CUSTER	153	4	1	41	7	5	36	-	-	3	9	-	-	
DANIELS	30	1	-	5	3	2	12	-	-	-	-	-	-	
DAWSON	99	3	-	18	3	1	30	-	-	1	3	-	-	
DEER LODGE	124	7	-	19	9	3	40	-	-	-	5	-	-	
FALLON	33	1	-	5	3	-	13	-	-	1	-	-	-	
FERGUS	171	10	-	44	17	3	40	-	-	4	8	-	-	
FLATHEAD	591	41	-	148	38	9	160	-	1	9	18	-	1	1
GALLATIN	292	25	1	84	16	2	50	-	-	2	13	-	-	
GARFIELD	12	-	-	2	1	-	4	-	-	-	2	-	-	
GLACIER	124	16	-	24	5	2	27	-	-	1	4	-	1	
GOLDEN VALLEY	9	-	-	4	-	-	3	-	-	-	-	-	-	
GRANITE	35	3	-	11	1	2	8	-	-	-	1	-	-	
HILL	154	13	-	34	11	3	44	-	-	5	7	-	-	
JEFFERSON	57	6	-	13	4	-	16	-	-	1	4	-	-	
JUDITH BASIN	23	-	-	7	1	1	8	-	-	-	-	-	-	
LAKE	225	16	1	43	23	9	69	-	-	2	8	-	-	
LEWIS & CLARK	371	16	-	87	29	9	92	-	-	4	18	-	-	1
LIBERTY	26	2	-	8	2	1	6	-	-	-	-	-	-	
LINCOLN	162	15	-	38	12	6	38	-	-	1	6	-	-	
MCCONE	20	2	-	4	1	1	10	-	-	-	-	-	-	
MADISON	65	5	1	8	7	-	19	-	-	-	7	-	-	
MEAGHER	16	1	-	4	-	-	6	-	-	1	-	-	-	
MINERAL	28	1	-	6	2	-	13	-	-	-	-	-	-	
MISSOULA	625	45	1	139	45	15	156	-	-	11	25	-	-	1
MUSSELSHELL	62	6	-	9	3	-	19	-	-	1	3	-	-	
PARK	143	12	-	32	5	1	38	-	-	8	9	1	-	
PETROLEUM	5	1	-	1	-	-	1	-	-	-	1	-	-	
PHILLIPS	46	5	-	9	1	2	13	-	-	-	4	-	-	
PONDERA	76	1	-	25	6	1	15	-	1	1	3	-	-	
POWDER RIVER	27	4	-	3	1	-	4	-	-	-	-	-	-	
POWELL	61	6	-	16	3	1	15	-	-	-	3	-	-	
PRAIRIE	18	-	-	3	3	-	4	-	-	1	1	-	-	
RAVALLI	312	16	-	68	13	5	95	-	-	3	9	-	-	1
RICHLAND	114	2	-	30	7	1	47	-	-	1	6	-	-	
ROOSEVELT	86	16	-	14	7	3	19	-	-	2	4	-	-	
ROSEBUD	79	10	-	18	3	-	24	-	-	3	-	-	-	
SANDERS	125	9	-	33	6	1	40	-	-	1	4	-	-	
SHERIDAN	68	3	-	14	-	-	29	-	-	1	2	-	-	
SILVER BOW	434	14	-	95	31	14	132	-	-	3	18	-	-	1
STILLWATER	58	1	-	18	6	1	13	-	-	3	2	-	-	
SWEET GRASS	44	-	-	12	3	2	17	-	-	-	-	-	-	
TETON	74	2	-	15	5	1	28	-	-	1	6	-	-	
TOOLE	57	4	-	16	1	3	19	-	-	-	5	-	-	
TREASURE	5	-	-	2	-	-	2	-	-	1	-	-	-	
VALLEY	88	3	-	19	5	4	21	-	-	1	14	-	-	
WHEATLAND	27	-	-	3	1	1	9	-	-	1	3	-	-	
WIBAUX	16	1	-	3	1	1	5	-	-	-	-	-	-	
YELLOWSTONE	1,044	37	1	249	97	21	262	-	-	9	31	-	-	3
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	

* INCLUDES "STROKE."

FREQUENCY OF INFANT MORTALITY BY AGE, RACE,* AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			28 DAYS - 1 YEAR			INFANT MORTALITY RATE+ 1993 -1997
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	
MONTANA TOTAL	73	55	18	41	36	5	32	19	13	7.1
BEAVERHEAD	-	-	-	-	-	-	-	-	-	7.1
BIG HORN	4	1	3	2	1	1	2	-	2	7.3
BLAINE	1	-	1	-	-	-	1	-	1	7.1
BROADWATER	-	-	-	-	-	-	-	-	-	4.5
CARBON	-	-	-	-	-	-	-	-	-	6.7
CARTER	-	-	-	-	-	-	-	-	-	22.6
CASCADE	8	6	2	4	4	-	4	2	2	7.3
CHOUTEAU	-	-	-	-	-	-	-	-	-	-
CUSTER	-	-	-	-	-	-	-	-	-	9.6
DANIELS	1	1	-	-	-	-	1	1	-	11.6
DAWSON	1	1	-	-	-	-	1	1	-	4.6
DEER LODGE	-	-	-	-	-	-	-	-	-	2.1
FALLON	-	-	-	-	-	-	-	-	-	-
FERGUS	1	1	-	1	1	-	-	-	-	2.9
FLATHEAD	7	6	1	5	4	1	2	2	-	5.5
GALLATIN	2	2	-	-	-	-	2	2	-	6.1
GARFIELD	-	-	-	-	-	-	-	-	-	21.5
GLACIER	5	1	4	4	1	3	1	-	1	11.1
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	14.3
GRANITE	-	-	-	-	-	-	-	-	-	6.7
HILL	1	1	-	-	-	-	1	1	-	6.6
JEFFERSON	-	-	-	-	-	-	-	-	-	2.2
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-
LAKE	2	2	-	1	1	-	1	1	-	7.9
LEWIS & CLARK	3	3	-	-	-	-	3	3	-	7.2
LIBERTY	-	-	-	-	-	-	-	-	-	8.3
LINCOLN	1	1	-	1	1	-	-	-	-	8.0
MCCONE	-	-	-	-	-	-	-	-	-	6.6
MADISON	2	2	-	2	2	-	-	-	-	14.0
MEAGHER	-	-	-	-	-	-	-	-	-	-
MINERAL	-	-	-	-	-	-	-	-	-	5.3
MISSOULA	8	7	1	4	4	-	4	3	1	7.3
MUSSELSHELL	2	2	-	1	1	-	1	1	-	16.5
PARK	-	-	-	-	-	-	-	-	-	5.4
PETROLEUM	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-
PONDERA	2	2	-	1	1	-	1	1	-	10.2
POWDER RIVER	-	-	-	-	-	-	-	-	-	-
POWELL	-	-	-	-	-	-	-	-	-	5.9
PRAIRIE	-	-	-	-	-	-	-	-	-	-
RAVALLI	1	1	-	1	1	-	-	-	-	6.7
RICHLAND	1	1	-	1	1	-	-	-	-	10.3
ROOSEVELT	2	-	2	-	-	-	2	-	2	13.4
ROSEBUD	3	-	3	-	-	-	3	-	3	14.0
SANDERS	1	1	-	1	1	-	-	-	-	8.1
SHERIDAN	-	-	-	-	-	-	-	-	-	-
SILVER BOW	3	2	1	2	2	-	1	-	1	7.7
STILLWATER	-	-	-	-	-	-	-	-	-	2.4
SWEET GRASS	-	-	-	-	-	-	-	-	-	16.9
TETON	-	-	-	-	-	-	-	-	-	2.6
TOOLE	-	-	-	-	-	-	-	-	-	6.5
TREASURE	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	-	-	-	-	-	2.0
WHEATLAND	2	2	-	1	1	-	1	1	-	13.5
WIBAUX	-	-	-	-	-	-	-	-	-	15.6
YELLOWSTONE	9	9	-	9	9	-	-	-	-	7.2
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
\+ PER 1,000 LIVE BIRTHS

TABLE 14

FREQUENCY OF INFANT MORTALITY FROM SELECTED CAUSES BY AGE AND RACE*
MONTANA RESIDENTS, 1997

INTERNATIONAL CLASSIFICATION CODES (ICD-9)	CAUSE OF DEATH	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			28 DAYS - 1 YEAR		
		TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER
	TOTAL, ALL CAUSES	73	55	18	41	36	5	32	19	13
	PRENATAL AND NATAL CAUSES, TOTAL	41	37	4	38	34	4	3	3	-
740-759	CONGENITAL ANOMALIES	16	16	-	14	14	-	2	2	-
760-761,763-764	MATERNAL CONDITIONS OF PREGNANCY AND CHILDBIRTH	3	2	1	3	2	1	-	-	-
762	COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	6	5	1	6	5	1	-	-	-
765	IMMATURITY	4	4	-	4	4	-	-	-	-
767	BIRTH TRAUMA	-	-	-	-	-	-	-	-	-
768	HYPOXIA AND BIRTH ASPHYXIA	4	2	2	4	2	2	-	-	-
769	RESPIRATORY DISTRESS SYNDROME	1	1	-	1	1	-	-	-	-
771	INFECTIONS SPECIFIC TO PERINATAL PERIOD	1	1	-	1	1	-	-	-	-
772	FETAL AND NEONATAL HEMORRHAGE	-	-	-	-	-	-	-	-	-
766,770,773-779	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	6	6	-	5	5	-	1	1	-
7980	SUDDEN INFANT DEATH SYNDROME, TOTAL	13	8	5	-	-	-	13	8	5
	INFECTIONS, TOTAL	1	-	1	-	-	-	1	-	1
008-009,535, 555-558	CERTAIN GASTROINTESTINAL DISEASES	1	-	1	-	-	-	1	-	1
480-487	PNEUMONIA AND INFLUENZA	-	-	-	-	-	-	-	-	-
	VIOLENT AND ACCIDENTAL DEATHS, TOTAL	3	1	2	-	-	-	3	1	2
810-825	MOTOR VEHICLE ACCIDENTS	2	1	1	-	-	-	2	1	1
800-807,826-910 913-949,960-969 980-989	OTHER VIOLENT AND ACCIDENTAL DEATHS	1	-	1	-	-	-	1	-	1
	ALL OTHER CAUSES	15	9	6	3	2	1	12	7	5

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

TABLE 15

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-1997

YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	-	-	61	16.2	24	6.4	16	4.3	1	0.3
1915	5	1.1	21	4.5	41	8.8	7	1.5	7	1.5
1920	4	0.7	32	5.8	304	55.4	27	4.9	15	2.7
1925	8	1.1	34	6.3	109	20.1	5	0.9	5	0.9
1930	7	1.3	4	0.7	102	19.0	12	2.2	22	4.1
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7
1940	2	0.4	6	1.1	77	13.8	5	0.9	8	1.1
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6
1946	1	0.2	5	1.0	25	4.8	3	0.6	3	0.6
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.8
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5
1950	-	-	2	0.3	23	3.9	-	-	1	0.2
1951	2	0.3	-	-	30	5.0	9	1.5	5	0.8
1952	-	-	1	0.2	22	3.7	4	0.7	4	0.7
1953	-	-	3	0.5	59	9.6	4	0.6	2	0.3
1954	-	-	3	0.5	6	1.0	5	0.8	6	1.0
1955	-	-	1	0.2	12	1.9	4	0.6	5	0.8
1956	-	-	1	0.2	4	0.6	1	0.2	7	1.1
1957	-	-	1	0.1	25	3.7	3	0.4	3	0.4
1958	-	-	-	-	14	2.1	2	0.3	4	0.6
1959	-	-	-	-	15	2.2	5	0.7	3	0.4
1960	-	-	-	-	37	5.5	1	0.1	3	0.4
1961	-	-	-	-	8	1.2	1	0.1	1	0.1
1962	-	-	-	-	12	1.7	-	-	4	0.6
1963	-	-	-	-	31	4.4	-	-	3	0.4
1964	1	0.1	-	-	29	4.1	2	0.3	2	0.3
1965	-	-	-	-	5	0.7	-	-	3	0.4
1966	1	0.1	-	-	49	7.0	-	-	2	0.3
1967	-	-	-	-	3	0.4	-	-	2	0.3
1968	-	-	-	-	30	4.3	-	-	2	0.3
1969	-	-	-	-	38	5.5	2	0.3	2	0.3
1970	-	-	2	0.3	8	1.2	-	-	1	0.1
1971	-	-	-	-	9	1.3	2	0.3	2	0.3
1972	-	-	-	-	15	2.1	-	-	2	0.3
1973	-	-	-	-	43	6.0	-	-	2	0.3
1974	-	-	-	-	11	1.5	-	-	1	0.1
1975	-	-	-	-	17	2.3	-	-	-	-
1976	-	-	-	-	95	12.6	-	-	-	-
1977	-	-	-	-	9	1.2	-	-	2	0.3
1978	-	-	-	-	19	2.4	-	-	2	0.3
1979	-	-	-	-	4	0.5	-	-	4	0.5
1980	-	-	-	-	24	3.1	-	-	-	-
1981	1	0.1	-	-	10	1.3	-	-	1	0.1
1982	-	-	-	-	8	1.0	-	-	1	0.1
1983	-	-	-	-	26	3.2	-	-	1	0.1
1984	-	-	-	-	19	2.3	-	-	-	-
1985	-	-	-	-	24	2.9	-	-	3	0.4
1986	-	-	-	-	24	2.9	-	-	-	-
1987	-	-	-	-	9	1.1	-	-	-	-
1988	-	-	-	-	21	2.6	-	-	-	-
1989	-	-	-	-	19	2.4	-	-	-	-
1990	-	-	-	-	15	1.9	-	-	2	0.3
1991	-	-	-	-	7	0.9	-	-	-	-
1992	-	-	-	-	7	0.8	-	-	-	-
1993	-	-	-	-	13	1.5	-	-	-	-
1994	-	-	-	-	15	1.8	-	-	1	0.1
1995	-	-	-	-	6	0.7	-	-	1	0.1
1996	-	-	-	-	11	1.3	-	-	2	0.2
1997	-	-	-	-	1	0.1	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE 15 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-1997

YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	17	4.5	-	-	340	90.4	151	40.2	41	10.9
1915	1	0.2	8	1.7	530	113.2	57	12.2	36	7.7
1920	5	0.9	7	1.3	419	76.4	27	4.9	51	9.3
1925	6	1.1	11	2.0	396	73.0	24	4.4	63	11.6
1930	6	1.1	9	1.7	337	62.7	16	3.0	16	3.0
1935	1	0.2	21	3.8	257	46.8	12	2.2	22	4.0
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	-	6	1.1
1949	13	2.3	-	-	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	-	10	1.7
1951	6	1.0	-	-	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	-	77	12.5	-	-	4	0.6
1954	9	1.4	-	-	62	9.9	-	-	1	0.2
1955	8	1.3	-	-	50	7.9	-	-	1	0.2
1956	-	-	-	-	48	7.3	-	-	1	0.2
1957	2	0.3	-	-	68	10.2	-	-	2	0.3
1958	5	0.8	-	-	45	6.8	-	-	-	-
1959	2	0.3	-	-	37	5.5	-	-	-	-
1960	7	1.0	1	0.1	31	4.6	-	-	1	0.1
1961	1	0.1	-	-	24	3.5	1	0.1	-	-
1962	-	-	-	-	32	4.5	-	-	-	-
1963	-	-	-	-	27	3.8	-	-	-	-
1964	-	-	-	-	28	4.0	1	0.1	-	-
1965	-	-	-	-	22	3.1	-	-	-	-
1966	-	-	-	-	21	3.0	-	-	-	-
1967	-	-	-	-	17	2.4	-	-	-	-
1968	1	0.1	-	-	15	2.2	-	-	-	-
1969	-	-	-	-	16	2.3	-	-	-	-
1970	-	-	-	-	12	1.7	-	-	-	-
1971	1	0.1	-	-	10	1.4	-	-	1	0.1
1972	-	-	-	-	11	1.5	-	-	-	-
1973	-	-	-	-	13	1.8	-	-	-	-
1974	1	0.1	-	-	17	2.3	-	-	-	-
1975	1	0.1	1	0.1	13	1.7	-	-	-	-
1976	-	-	-	-	9	1.2	-	-	-	-
1977	-	-	-	-	4	0.5	-	-	-	-
1978	1	0.1	-	-	11	1.4	-	-	-	-
1979	-	-	-	-	5	0.6	-	-	-	-
1980	-	-	-	-	6	0.8	-	-	-	-
1981	-	-	-	-	7	0.9	-	-	-	-
1982	-	-	-	-	7	0.9	-	-	-	-
1983	1	0.1	-	-	1	0.1	-	-	-	-
1984	2	0.2	-	-	10	1.2	-	-	-	-
1985	-	-	-	-	5	0.6	-	-	1	0.1
1986	-	-	-	-	5	0.6	-	-	-	-
1987	-	-	-	-	4	0.5	-	-	-	-
1988	1	0.1	-	-	2	0.2	-	-	-	-
1989	2	0.2	-	-	5	0.6	-	-	-	-
1990	-	-	-	-	2	0.3	-	-	-	-
1991	1	0.1	-	-	4	0.5	-	-	-	-
1992	1	0.1	-	-	4	0.5	-	-	-	-
1993	-	-	-	-	2	0.2	-	-	-	-
1994	-	-	-	-	6	0.7	-	-	-	-
1995	2	0.2	-	-	2	0.2	-	-	-	-
1996	2	0.2	-	-	1	0.1	-	-	1	0.1
1997	1	0.1	-	-	2	0.2	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.
** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE 16

FREQUENCY AND RATE OF DEATH FROM SELECTED CAUSES BY YEAR*
MONTANA, 1910-1997

YEAR	ACCIDENTS						ALCOHOLISM		CANCER	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	514	136.7	5	1.3	509	135.4	56	14.9	157	41.7
1915	556	118.8	31	6.6	525	112.2	66	14.1	223	47.6
1920	473	86.3	45	8.2	428	78.1	10	1.8	282	51.4
1925	505	93.0	98	18.1	407	75.0	41	7.6	379	69.8
1930	498	92.6	106	19.7	392	72.9	69	12.8	424	78.9
1935	552	100.5	161	29.3	391	71.2	14	2.5	528	96.2
1940	539	96.3	154	27.5	385	68.8	41	7.3	640	114.4
1945	498	98.7	118	23.4	380	75.3	13	2.8	658	130.4
1946	517	99.1	166	31.8	351	67.3	15	2.9	662	126.8
1947	537	99.6	157	29.1	380	70.5	19	3.5	712	132.0
1948	575	103.3	165	29.6	410	73.7	14	2.5	724	130.1
1949	552	96.2	152	26.5	400	69.7	17	3.0	729	127.0
1950	545	92.2	190	32.1	355	60.1	14	2.4	733	124.0
1951	525	88.1	187	31.4	338	56.7	17	2.9	726	121.8
1952	564	93.7	235	39.0	329	54.7	13	2.2	798	132.6
1953	534	86.7	228	37.0	306	49.7	17	2.8	809	131.3
1954	531	85.1	219	35.1	312	50.0	19	3.0	871	139.6
1955	549	86.3	239	37.6	310	48.7	28	4.4	829	130.3
1956	574	87.5	265	40.4	309	47.1	22	3.4	931	141.9
1957	541	81.1	219	32.8	322	48.3	20	3.0	873	130.9
1958	497	74.6	206	30.9	291	43.7	18	2.7	838	125.8
1959	565	84.5	258	38.6	307	45.9	15	2.2	920	137.5
1960	510	75.6	226	33.5	284	42.1	13	1.9	958	142.0
1961	518	76.0	270	39.6	248	36.4	18	2.6	965	141.5
1962	550	77.6	232	32.7	318	44.9	19	2.7	911	128.5
1963	517	73.1	218	30.8	299	42.3	12	1.7	896	126.7
1964	648	91.9	250	35.5	398	56.5	13	1.8	986	139.9
1965	591	83.7	268	38.0	323	45.8	14	2.0	933	132.2
1966	560	79.8	265	37.7	295	42.0	24	3.4	969	138.0
1967	607	86.6	318	45.4	289	41.2	12	1.7	1,004	143.2
1968	535	77.2	262	37.8	273	39.4	29	4.2	1,080	155.8
1969	635	91.5	329	47.4	306	44.1	10	1.4	1,041	150.0
1970	571	82.2	290	41.8	281	40.5	25	3.6	1,059	152.5
1971	609	85.8	310	43.7	299	42.1	19	2.7	1,050	147.9
1972	635	88.3	360	50.1	275	38.2	17	2.4	1,122	156.1
1973	611	84.7	324	44.9	287	39.8	20	2.8	1,061	147.2
1974	559	76.1	272	37.0	287	39.0	14	1.9	1,130	153.7
1975	584	78.1	282	37.7	302	40.4	28	3.7	1,105	147.7
1976	579	76.9	291	38.6	288	38.2	23	3.1	1,191	158.2
1977	574	75.4	302	39.7	272	35.7	25	3.3	1,184	155.6
1978	558	71.1	276	35.2	282	35.9	23	2.9	1,233	157.1
1979	596	75.8	313	39.8	283	36.0	22	2.8	1,240	157.8
1980	570	72.5	311	39.5	259	32.9	25	3.2	1,291	164.1
1981	553	69.7	308	38.8	245	30.9	32	4.0	1,343	169.4
1982	471	58.8	236	29.5	235	29.3	30	3.7	1,384	172.8
1983	516	63.2	267	32.7	249	30.5	16	2.0	1,350	165.2
1984	440	53.4	233	28.3	207	25.1	18	2.2	1,467	178.0
1985	417	50.5	210	25.4	207	25.1	20	2.4	1,445	174.9
1986	403	49.2	228	27.8	175	21.4	27	3.3	1,475	180.1
1987	416	51.4	223	27.6	193	23.9	22	2.7	1,516	187.4
1988	368	45.7	200	24.8	168	20.9	22	2.7	1,561	193.9
1989	360	44.7	171	21.2	189	23.5	16	2.0	1,593	197.7
1990	398	49.8	210	26.3	188	23.5	21	2.6	1,630	204.0
1991	384	47.5	183	22.6	201	24.9	19	2.4	1,656	205.0
1992	399	48.4	182	22.1	217	26.3	29	3.5	1,710	207.6
1993	375	44.7	182	21.7	193	23.0	26	3.1	1,738	207.2
1994	391	45.7	192	22.4	199	23.2	31	3.6	1,740	203.2
1995	374	43.0	191	21.9	183	21.0	21	2.4	1,765	202.8
1996	396	45.0	191	21.7	205	23.3	23	2.6	1,762	200.4
1997	443	50.4	230	26.2	213	24.2	18	2.0	1,779	202.4

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE

\+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO

FREQUENCY AND RATE OF DEATH FROM SELECTED CAUSES BY YEAR*
MONTANA, 1910-1997

YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	38	10.1	257	68.3	37	9.8	222	59.0	282	75.0	81	21.5
1915	65	13.9	407	87.0	53	11.3	339	72.4	511	109.2	103	22.0
1920	60	10.9	428	78.1	46	8.4	273	49.8	576	105.0	86	15.7
1925	64	11.8	672	123.8	51	9.4	301	55.4	437	80.5	102	18.8
1930	87	16.2	759	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1935	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1940	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1945	129	25.6	1,603	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	123	18.4	2,382	356.1	29	4.3	58	8.7	231	34.5	97	14.5
1960	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5
1972	135	18.8	2,294	319.1	32	4.5	17	2.4	220	30.6	87	12.1
1973	126	17.5	2,300	319.0	46	6.4	27	3.7	236	32.7	108	15.0
1974	103	14.0	2,202	299.6	44	6.0	20	2.7	192	26.1	122	16.6
1975	122	16.3	2,178	291.2	42	5.6	19	2.5	185	24.7	112	15.0
1976	100	13.3	2,178	289.2	38	5.0	17	2.3	207	27.5	129	17.1
1977	89	11.7	2,149	282.4	53	7.0	24	3.2	144	18.9	143	18.8
1978	114	14.5	2,169	276.3	40	5.1	20	2.5	199	25.4	122	15.5
1979	94	12.0	2,302	292.9	39	5.0	46	5.9	143	18.2	123	15.6
1980	103	13.1	2,332	296.4	40	5.1	43	5.5	169	21.5	116	14.7
1981	95	12.0	2,279	287.4	47	5.9	70	8.8	171	21.6	137	17.3
1982	115	14.4	2,236	279.2	36	4.5	57	7.1	196	24.5	126	15.7
1983	103	12.6	2,241	274.3	33	4.0	62	7.6	219	26.8	143	17.5
1984	113	13.7	2,270	275.5	37	4.5	57	6.9	204	24.8	137	16.6
1985	123	14.9	2,201	266.5	49	5.9	58	7.0	211	25.5	144	17.4
1986	109	13.3	2,196	268.1	41	5.0	40	4.9	205	25.0	181	22.1
1987	116	14.3	2,109	260.7	39	4.8	60	7.4	192	23.7	159	19.7
1988	154	19.1	2,057	255.5	35	4.3	60	7.5	219	27.2	153	19.0
1989	170	21.1	2,019	250.6	32	4.0	47	5.8	224	27.8	159	19.7
1990	154	19.3	1,947	243.7	37	4.6	48	6.0	213	26.7	167	20.9
1991	181	22.4	1,944	240.6	36	4.5	51	6.3	245	30.3	167	20.7
1992	164	19.9	1,904	231.2	35	4.2	56	6.8	259	31.4	151	18.3
1993	191	22.8	2,110	251.5	39	4.6	59	7.0	249	29.7	154	18.4
1994	215	25.1	1,907	222.7	34	4.0	76	8.9	276	32.2	159	18.6
1995	210	24.1	2,003	230.2	45	5.2	56	6.4	313	36.0	197	22.6
1996	187	21.3	2,131	242.3	37	4.2	81	9.2	238	27.1	174	19.8
1997	169	19.2	2,097	238.6	37	4.2	98	11.2	299	34.0	179	20.4

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE 17

FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS
AND NUMBER OF PREVIOUS PREGNANCIES
MONTANA OCCURRENCES, 1997

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,809	1,806	660	243	71	17	6	4	2
NONE	1,064	1,064	-	-	-	-	-	-	-
ONE	592	326	266	-	-	-	-	-	-
TWO	407	195	135	77	-	-	-	-	-
THREE	328	118	134	54	22	-	-	-	-
FOUR	222	63	73	63	19	4	-	-	-
FIVE	107	27	32	28	16	2	2	-	-
SIX	39	6	8	11	5	8	1	-	-
SEVEN	24	2	9	4	6	-	2	1	-
EIGHT	14	3	-	5	1	2	1	2	-
NINE OR MORE	10	2	3	1	2	1	-	1	-
NOT STATED	2	-	-	-	-	-	-	-	2

TABLE 18

FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 1997

PATIENT'S AGE	NUMBER
TOTAL	2,809
UNDER 15	19
15-17	283
18-19	393
20-24	849
25-29	551
30-34	337
35-39	278
40-44	92
45 AND OVER	4
NOT STATED	3

TABLE 19

FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEK OF GESTATION AND BY PRIMARY PROCEDURE
MONTANA OCCURRENCES, 1997

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,809	1,996	337	226	76	64	43	58	9
SUCTION CURRETTAGE	2,533	1,985	329	179	31	4	-	-	5
SHARP CURRETTAGE	4	2	-	1	-	-	-	-	1
DILATION AND EVACUATION (D&E)	260	2	8	46	45	60	41	57	1
OTHER	9	5	-	-	-	-	2	1	1
NOT STATED	3	2	-	-	-	-	-	-	1

* THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE 19A

FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
MONTANA, 1997

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	25	-	PONDERA	8	-
BIG HORN	25	-	POWDER RIVER	9	-
BLAINE	11	-	POWELL	8	-
BROADWATER	4	-	PRAIRIE	-	-
CARBON	15	-	RAVALLI	64	-
CARTER	1	-	RICHLAND	5	-
CASCADE	197	260	ROOSEVELT	20	-
CHOUTEAU	9	-	ROSEBUD	13	-
CUSTER	29	-	SANDERS	12	-
DANIELS	1	-	SHERIDAN	4	-
DAWSON	9	-	SILVER BOW	86	-
DEER LODGE	22	-	STILLWATER	9	-
FALLON	3	-	SWEET GRASS	13	-
FERGUS	12	-	TETON	4	-
FLATHEAD	213	327	TOOLE	8	-
GALLATIN	278	651	TREASURE	3	-
GARFIELD	1	-	VALLEY	7	-
GLACIER	31	-	WHEATLAND	8	-
GOLDEN VALLEY	-	-	WIBAUX	2	-
GRANITE	3	-	YELLOWSTONE	365	816
HILL	32	-	NOT STATED	28	-
JEFFERSON	18	-	TOTAL MONTANA		
JUDITH BASIN	1	-	RESIDENTS	2316	2809
LAKE	50	-			
LEWIS & CLARK	151	153	OUT OF STATE		
LIBERTY	1	-	RESIDENTS		
LINCOLN	37	-	IDAHO	68	NA
MCCONE	2	-	NORTH DAKOTA	37	NA
MADISON	19	-	SOUTH DAKOTA	43	NA
MEAGHER	1	-	WYOMING	287	NA
MINERAL	11	-	OTHER STATES	31	NA
MISSOULA	383	602			
MUSSELSHELL	5	-	CANADA	20	NA
PARK	35	-	REST OF WORLD	-	NA
PETROLEUM	-	-	NOT STATED	7	NA
PHILLIPS	5	-			
			TOTAL	2809	NA

FREQUENCY OF MARRIAGE AND MARITAL TERMINATION
MARRIAGE LICENSES ISSUED, MARRIAGES SOLEMNIZED, MARITAL DISSOLUTIONS AND MARRIAGES INVALIDATED BY COUNTY OF OCCURRENCE - MONTANA, 1997

COUNTY	MARRIAGES		MARITAL TERMINATIONS	
	LICENSES ISSUED	MARRIAGES SOLEMNIZED	MARITAL DISSOLUTIONS	INVALID MARRIAGES
MONTANA, TOTAL	6,708	6,708	4,005	53
BEAVERHEAD	64	67	31	-
BIG HORN	72	79	24	1
BLAINE	27	31	19	-
BROADWATER	24	27	18	-
CARBON	145	226	27	1
CARTER	7	8	1	-
CASCADE	619	581	480	4
CHOUTEAU	28	37	11	-
CUSTER	108	106	56	1
DANIELS	7	9	7	-
DAWSON	63	60	44	-
DEER LODGE	66	78	28	2
FALLON	21	22	7	-
FERGUS	79	84	45	-
FLATHEAD	682	676	421	18
GALLATIN	572	506	250	1
GARFIELD	2	3	-	-
GLACIER	78	80	68	-
GOLDEN VALLEY	5	6	2	-
GRANITE	18	29	11	-
HILL	128	119	67	1
JEFFERSON	33	38	29	-
JUDITH BASIN	13	15	7	-
LAKE	172	206	169	6
LEWIS & CLARK	430	437	317	2
LIBERTY	10	14	1	1
LINCOLN	125	158	101	3
MCCONE	7	10	1	-
MADISON	49	58	16	1
MEAGHER	11	13	3	-
MINERAL	31	31	16	-
MISSOULA	771	665	468	5
MUSSELSHELL	33	27	20	-
PARK	146	164	89	-
PETROLEUM	5	5	5	-
PHILLIPS	33	34	12	-
PONDERA	31	37	18	-
POWDER RIVER	7	5	2	-
POWELL	51	61	34	1
PRAIRIE	4	5	1	-
RAVALLI	177	206	128	-
RICHLAND	78	74	37	-
ROOSEVELT	60	67	21	-
ROSEBUD	51	56	26	-
SANDERS	66	83	35	-
SHERIDAN	32	34	8	-
SILVER BOW	257	250	59	-
STILLWATER	47	46	22	-
SWEET GRASS	26	33	12	-
TETON	46	49	17	-
TOOLE	35	30	17	-
TREASURE	4	3	4	-
VALLEY	46	43	24	-
WHEATLAND	19	21	7	-
WIBAUX	6	8	4	-
YELLOWSTONE	981	888	658	5
YELLOWSTONE PARK	-	-	-	-
NOT STATED	-	-	-	-

TABLE 21

FREQUENCY AND RATE OF MARRIAGE AND MARITAL TERMINATION BY YEAR
MONTANA OCCURENCES, 1944-1997

YEAR	MARRIAGES		MARITAL TERMINATIONS	
	NUMBER	RATE*	NUMBER	RATE*
1944	6,433	11.2	1,745	3.1
1945	8,147	14.2	2,380	4.1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4.2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9.8	4,286	5.7
1976	7,390	9.8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3
1982	8,185	10.2	4,612	5.8
1983	8,092	9.9	4,644	5.7
1984	7,659	9.3	4,355	5.3
1985	7,178	8.7	4,258	5.2
1986	6,739	8.2	4,307	5.3
1987	6,540	8.1	4,116	5.1
1988	6,784	8.4	4,063	5.0
1989	6,765	8.4	4,104	5.1
1990	6,924	8.7	4,049	5.1
1991	6,984	8.6	4,443	5.5
1992	7,189	8.7	4,223	5.1
1993	7,041	8.4	4,311	5.1
1994	7,088	8.3	4,196	4.9
1995	6,818	7.8	4,214	4.8
1996	6,609	7.5	4,238	4.8
1997	6,708	7.6	4,058	4.6

* PER 1,000 ESTIMATED MIDYEAR POPULATION U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE 22

FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURRENCE
MONTANA, 1997

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	6,708	100.0	JUNE	910	13.6
			JULY	1,004	15.0
JANUARY	266	4.0	AUGUST	1,149	17.1
FEBRUARY	351	5.2	SEPTEMBER	618	9.2
MARCH	319	4.8	OCTOBER	417	6.2
APRIL	347	5.2	NOVEMBER	307	4.6
MAY	616	9.2	DECEMBER	404	6.0

TABLE 23

FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND
BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 1997

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	6,708	4,055	200	2,446	7	6,708	4,210	194	2,303	1
UNDER 15	-	-	-	-	-	-	-	-	-	-
15-19	643	633	-	10	-	238	238	-	-	-
20-24	2,033	1,878	2	150	3	1,661	1,596	-	65	-
25-29	1,373	972	11	390	-	1,551	1,286	4	261	-
30-34	813	321	7	484	1	998	602	7	389	-
35-39	675	155	17	501	2	703	281	9	413	-
40-44	462	59	21	381	1	533	130	13	390	-
45-49	304	23	16	265	-	394	45	11	338	-
50-54	176	7	30	139	-	239	14	14	210	1
55-59	88	1	15	72	-	155	10	21	124	-
60-64	47	4	19	24	-	91	2	27	62	-
65-69	47	1	25	21	-	65	3	25	37	-
70-74	26	1	19	6	-	32	2	23	7	-
75 AND OVER	21	-	18	3	-	48	1	40	7	-
NOT STATED	-	-	-	-	-	-	-	-	-	-

TABLE 24

FREQUENCY OF FIRST MARRIAGE* BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURRENCES, 1997

AGE OF GROOM	AGE OF BRIDE										
	TOTAL, ALL AGES	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,338	601	1,663	766	200	74	23	7	2	2	-
15-19	227	170	54	2	1	-	-	-	-	-	-
20-24	1,460	359	974	115	9	3	-	-	-	-	-
25-29	1,055	63	531	416	40	4	1	-	-	-	-
30-34	382	5	89	174	92	17	5	-	-	-	-
35-39	137	3	11	48	37	33	4	-	-	1	-
40-44	53	1	4	10	17	12	5	2	2	-	-
45-49	14	-	-	1	3	4	4	2	-	-	-
50-54	4	-	-	-	1	-	3	-	-	-	-
55 AND OVER	6	-	-	-	-	1	1	3	-	1	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE 25

MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1993-1997

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1993	26	23	22	29	25	24
1994	26	23	22	29	25	24
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM

TABLE 26

FREQUENCY OF MARITAL TERMINATION BY TYPE AND BY LEGAL GROUNDS
FOR DECREE - MONTANA OCCURRENCES, 1997

TYPES OF MARITAL TERMINATION AND LEGAL GROUNDS	NUMBER
MARITAL TERMINATIONS, TOTAL	4,058
MARITAL DISSOULUTIONS, TOTAL	4,005
IRRECONCILABLE DIFFERENCES	4,005
INVALID MARRIAGES, TOTAL	53
LACKED CAPACITY TO CONSENT	40
LACKED PHYSICAL CAPACITY	7
UNDER AGE	1
PROHIBITED MARRIAGE	4
NOT STATED	1

TABLE 27

FREQUENCY OF MARITAL TERMINATION BY AGE OF WIFE AND AGE OF HUSBAND
MONTANA OCCURRENCES, 1997

AGE OF HUSBAND	TOTAL ALL AGES	AGE OF WIFE									
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL ALL AGES	4,058	45	427	672	649	758	621	401	212	218	55
15-19	11	7	2	2	-	-	-	-	-	-	-
20-24	264	29	177	38	6	5	2	-	-	-	7
25-29	565	4	172	299	57	15	10	1	-	1	6
30-34	646	5	53	218	241	84	34	6	2	1	2
35-39	683	-	9	73	213	282	72	20	7	-	7
40-44	653	-	5	23	90	225	234	62	7	4	3
45-49	522	-	2	10	26	83	177	171	37	14	2
50-54	302	-	1	2	10	44	54	97	68	21	5
55 AND OVER	366	-	-	4	2	16	32	42	89	175	6
NOT STATED	46	-	6	3	4	4	6	2	2	2	17

TABLE 28

FREQUENCY OF MARITAL TERMINATION BY NUMBER OF MINOR CHILDREN IN THE HOUSEHOLD
AND BY AGE OF WIFE - MONTANA OCCURRENCES, 1997

AGE OF WIFE	TOTAL ALL AGES	NUMBER OF MINOR CHILDREN									
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NOT STATED
TOTAL ALL AGES	4,058	1,927	868	864	289	89	14	3	2	-	2
15-19	45	27	14	4	-	-	-	-	-	-	-
20-24	427	202	144	69	11	1	-	-	-	-	-
25-29	672	268	165	170	49	15	2	1	-	-	2
30-34	649	195	150	180	92	26	5	-	1	-	-
35-39	758	257	159	237	73	28	2	1	1	-	-
40-44	621	292	122	142	48	11	5	1	-	-	-
45-49	401	250	87	47	12	5	-	-	-	-	-
50-54	212	184	15	9	3	1	-	-	-	-	-
55-59	114	112	2	-	-	-	-	-	-	-	-
60-64	46	46	-	-	-	-	-	-	-	-	-
65-69	23	23	-	-	-	-	-	-	-	-	-
70-74	15	14	1	-	-	-	-	-	-	-	-
75 AND OVER	20	20	-	-	-	-	-	-	-	-	-
NOT STATED	55	37	9	6	1	2	-	-	-	-	-

TABLE 29

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	878,810		9,010		12,620		7,080		4,080		9,430		1,500		79,130	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	6	0.7	146	11.9	56	8.2	5	1.2	(21)	-2.3	(5)	-3.4	323	4.0
LIVE BIRTHS, TOTAL	10,840	12.3	99	11.0	253	20.0	112	15.8	46	11.3	78	8.3	13	8.7	1,071	13.5
SEX-MALE	5,583	12.9	47	—	127	—	55	—	27	—	51	—	4	—	539	—
FEMALE	5,257	12.0	52	—	126	—	57	—	19	—	27	—	9	—	532	—
OUT-OF-WEDLOCK	3,099	285.9	19	191.9	149	588.9	69	616.1	10	217.4	20	256.4	2	153.8	249	232.5
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.8	93	10.3	107	8.5	54	7.6	41	10.0	99	10.5	18	12.0	748	9.5
SEX-MALE	4,035	9.3	50	—	58	—	26	—	23	—	47	—	10	—	366	—
FEMALE	3,695	8.4	43	—	49	—	28	—	18	—	52	—	8	—	382	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	4	15.8	1	8.9	-	-	-	-	-	-	8	7.5
NEONATAL (UNDER 28 DAYS)	41	3.8	-	-	2	7.9	-	-	-	-	-	-	-	-	4	3.7
POSTNEONATAL (28 DAYS-1 YEAR)	32	3.0	-	-	2	7.9	1	8.9	-	-	-	-	-	-	4	3.7
FETAL DEATHS	49	4.5	1	10.1	2	7.9	-	-	1	21.7	-	-	-	-	-	-
PERINATAL DEATHS	90	8.3	1	10.1	4	15.8	-	-	1	21.7	-	-	-	-	4	3.7
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	34	377.4	19	150.6	15	211.9	15	367.6	17	180.3	4	266.7	203	256.5
CANCER	1,779	202.4	21	233.1	22	174.3	9	127.1	7	171.6	26	275.7	5	333.3	174	219.9
CEREBROVASCULAR DISEASE	544	61.9	3	33.3	5	39.6	2	28.2	4	98.0	9	95.4	-	-	66	83.4
CHRON. OBSTR. PULMONARY DISEASES	532	60.5	12	133.2	7	55.5	1	14.1	4	98.0	8	84.8	-	-	52	65.7
ACCIDENTS	443	50.4	3	33.3	10	79.2	2	28.2	-	-	15	159.1	3	200.0	23	29.1
PNEUMONIA AND INFLUENZA	300	34.1	3	33.3	2	15.8	3	42.4	2	49.0	3	31.8	1	66.7	20	25.3
SUICIDE	179	20.4	3	33.3	3	23.8	-	-	2	49.0	2	21.2	-	-	17	21.5
DIABETES	169	19.2	2	22.2	5	39.6	2	28.2	-	-	3	31.8	-	-	19	24.0
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	-	-	2	15.8	1	14.1	-	-	-	-	-	-	6	7.6
ALZHEIMER'S DISEASE	81	9.2	1	11.1	1	7.9	-	-	-	-	1	10.6	-	-	15	19.0
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	86	9.5	306	24.2	1	0.1	-	-	32	3.4	-	-	1,357	17.1
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	100	11.1	84	6.7	17	2.4	30	7.4	88	9.3	16	10.7	885	11.2
INFANT (UNDER 1 YEAR)	88	6.3	-	-	1	3.3	1	1000.0	-	-	-	-	-	-	19	14.0
ACCIDENTAL	500	0.6	10	1.1	9	0.7	1	0.1	4	1.0	16	1.7	8	5.3	31	0.4
MOTOR VEHICLE	277	0.3	1	0.1	4	0.3	-	-	1	0.2	8	0.8	4	2.7	19	0.2
OTHER ACCIDENTAL	223	0.3	9	1.0	5	0.4	1	0.1	3	0.7	8	0.8	4	2.7	12	0.2
MARRIAGES	6,708	7.6	67	7.4	79	6.3	31	4.4	27	6.6	226	24.0	8	5.3	581	7.3
MARITAL TERMINATIONS	4,058	4.6	31	3.4	25	2.0	19	2.7	18	4.4	28	3.0	1	0.7	484	6.1

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY.
* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.
** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY

TABLE 29 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	876,810		5,240		12,120		2,060		9,050		10,000		3,040		12,500	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	(11)	-2.1	(21)	-1.7	(17)	-7.9	(22)	-2.4	(19)	-1.9	(4)	-1.3	(52)	-4.1
LIVE BIRTHS, TOTAL	10,840	12.3	45	8.6	132	10.9	13	6.3	77	8.5	105	10.5	29	9.5	119	9.5
SEX-MALE	5,583	12.9	23	—	64	—	8	—	36	—	52	—	15	—	66	—
FEMALE	5,257	12.0	22	—	68	—	5	—	41	—	53	—	14	—	53	—
OUT-OF-WEDLOCK	3,099	285.9	5	111.1	45	340.9	-	-	17	220.8	41	390.5	3	103.4	17	142.9
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.6	56	10.7	153	12.6	30	14.6	99	10.9	124	12.4	33	10.9	171	13.7
SEX-MALE	4,035	9.3	30	—	86	—	15	—	59	—	72	—	22	—	83	—
FEMALE	3,695	8.4	26	—	67	—	15	—	40	—	52	—	11	—	88	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	-	-	1	76.9	1	13.0	-	-	-	-	1	8.4
NEONATAL (UNDER 28 DAYS)	41	3.8	-	-	-	-	-	-	-	-	-	-	-	-	1	8.4
POSTNEONATAL (28 DAYS-1 YEAR)	32	3.0	-	-	-	-	1	76.9	1	13.0	-	-	-	-	-	-
FETAL DEATHS	49	4.5	1	22.2	1	7.6	-	-	-	-	3	26.6	-	-	1	8.4
PERINATAL DEATHS	90	8.3	1	22.2	1	7.6	-	-	-	-	3	26.6	-	-	2	16.8
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	19	362.6	36	297.0	12	582.5	30	331.5	40	400.0	13	427.6	40	320.0
CANCER	1,779	202.4	12	229.0	41	338.3	5	242.7	18	198.9	19	190.0	5	164.5	44	352.0
CEREBROVASCULAR DISEASE	544	61.9	7	133.6	7	57.8	3	145.6	3	33.1	9	90.0	3	98.7	17	136.0
CHRON. OBSTR. PULMONARY DISEASES	532	60.5	3	57.3	17	140.3	1	48.5	6	66.3	12	120.0	1	32.9	9	72.0
ACCIDENTS	443	50.4	1	19.1	4	33.0	1	48.5	3	33.1	7	70.0	1	32.9	10	80.0
PNEUMONIA AND INFLUENZA	300	34.1	-	-	9	74.3	-	-	3	33.1	5	50.0	-	-	8	64.0
SUICIDE	179	20.4	-	-	2	16.5	1	48.5	3	33.1	1	10.0	-	-	1	8.0
DIABETES	169	19.2	1	19.1	5	41.3	2	97.1	1	11.0	3	30.0	-	-	3	24.0
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	2	38.2	3	24.8	-	-	1	11.0	-	-	1	32.9	4	32.0
ALZHEIMER'S DISEASE	81	9.2	2	38.2	4	33.0	-	-	-	-	1	10.0	-	-	3	24.0
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	-	-	222	18.3	3	1.5	71	7.8	49	4.9	20	6.6	136	10.9
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	42	8.0	174	14.4	24	11.7	101	11.2	98	9.8	30	9.9	165	13.2
INFANT (UNDER 1 YEAR)	68	6.3	-	-	-	-	-	-	1	14.1	-	-	-	-	1	7.4
ACCIDENTAL	500	0.6	3	0.6	7	0.6	1	0.5	3	0.3	9	0.9	1	0.3	9	0.7
MOTOR VEHICLE	277	0.3	1	0.2	3	0.2	-	-	1	0.1	7	0.7	-	-	6	0.5
OTHER ACCIDENTAL	223	0.3	2	0.4	4	0.3	1	0.5	2	0.2	2	0.2	1	0.3	3	0.2
MARRIAGES	6,708	7.6	37	7.1	106	8.7	9	4.4	60	6.6	78	7.8	22	7.2	84	6.7
MARITAL TERMINATIONS	4,058	4.6	11	2.1	57	4.7	7	3.4	44	4.9	30	3.0	7	2.3	45	3.6

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY.
* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS
** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY

TABLE 29 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	876,610		71,710		81,110		1,440		12,690		1,050		2,630		17,540	
RESIDENCE																
NATURAL INCREASE	3,110	3 5	313	4 4	451	7 4	10	7.1	118	9.3	2	2.0	7	2 7	112	6.3
LIVE BIRTHS, TOTAL	10,840	12.3	904	12.6	743	12 2	22	15.3	242	19.1	11	10 5	42	16.0	266	15 2
SEX-MALE	5,583	12.9	447	—	397	—	13	—	130	—	6	—	23	—	134	—
FEMALE	5,257	12.0	457	—	346	—	9	—	112	—	5	—	19	—	132	—
OUT-OF-WEDLOCK	3,099	285.9	226	252.2	125	168.2	3	136 4	153	632.2	1	90 9	7	166.7	109	409 8
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.8	591	8.2	292	4 8	12	8.3	124	9.8	9	8 6	35	13.3	154	8.8
SEX-MALE	4,035	9.3	303	—	147	—	8	—	70	—	4	—	16	—	82	—
FEMALE	3,695	8 4	288	—	145	—	4	—	54	—	5	—	19	—	72	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	7	7.7	2	2.7	-	-	5	20.7	-	-	-	-	1	3 8
NEONATAL (UNDER 28 DAYS)	41	3.8	5	5 5	-	-	-	-	4	16.5	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	3 0	2	2 2	2	2 7	-	-	1	4 1	-	-	-	-	1	3 8
FETAL DEATHS	49	4 5	5	5 5	2	2 7	-	-	3	12 4	-	-	-	-	1	3 8
PERINATAL DEATHS	90	8.3	10	11.1	2	2.7	-	-	7	28 9	-	-	-	-	1	3 8
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238 6	160	223 1	50	81 8	4	277 8	27	212 8	3	285.7	8	304.2	44	250.9
CANCER	1,779	202.4	148	206.4	84	137.5	2	138.9	24	189.1	4	381.0	11	418.3	34	193 8
CEREBROVASCULAR DISEASE	544	61.9	38	53 0	16	26 2	1	69.4	5	39.4	-	-	1	38.0	11	62.7
CHRON OBSTR PULMONARY DISEASES	532	60.5	36	50 2	27	44.2	-	-	11	86.7	-	-	-	-	10	57.0
ACCIDENTS	443	50 4	41	57.2	25	40.9	-	-	16	126.1	-	-	3	114.1	13	74.1
PNEUMONIA AND INFLUENZA	300	34 1	18	25 1	13	21.3	2	138.9	4	31.5	-	-	1	38.0	7	39.9
SUICIDE	179	20 4	14	19 5	8	13.1	-	-	1	7.9	1	95.2	4	152.1	4	22.8
DIABETES	169	19.2	9	12.6	2	3.3	-	-	2	15.8	-	-	2	76.0	3	17.1
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	9	12.6	2	3.3	-	-	1	7.9	-	-	-	-	5	28.5
ALZHEIMER'S DISEASE	81	9.2	4	5 6	2	3.3	-	-	-	-	-	-	1	38.0	1	5.7
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	973	13.6	776	12.7	-	-	222	17.5	-	-	1	0.4	382	21.8
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	581	8 1	271	4.4	15	10.4	78	6.1	1	1.0	28	10.6	156	8 9
INFANT (UNDER 1 YEAR)	88	6.3	4	4 1	2	2.6	-	-	2	9.0	-	-	-	-	1	2 6
ACCIDENTAL	500	0.6	39	0.5	30	0.5	5	3.5	14	1.1	1	1.0	3	1.1	11	0 6
MOTOR VEHICLE	277	0.3	18	0.3	15	0.2	3	2.1	10	0.8	1	1.0	3	1.1	9	0 5
OTHER ACCIDENTAL	223	0.3	21	0.3	15	0.2	2	1.4	4	0.3	-	-	-	-	2	0.1
MARRIAGES	6,708	7.6	676	9.4	506	8.3	3	2 1	80	6.3	6	5.7	29	11.0	119	6 8
MARITAL TERMINATIONS	4,058	4.6	439	6.1	251	4.1	-	-	68	5 4	2	1.9	11	4.2	68	3.9

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

TABLE 29 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	878,810		9,880		2,320		25,340		53,250		2,390		18,770		2,040	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	41	4.2	1	0.4	79	3.2	282	5.3	1	0.4	26	1.4	(1)	-0.5
LIVE BIRTHS, TOTAL	10,840	12.3	98	9.9	24	10.3	304	12.0	653	12.3	27	11.3	188	10.0	19	9.3
SEX-MALE	5,583	12.9	49	—	16	—	161	—	329	—	14	—	89	—	7	—
FEMALE	5,257	12.0	49	—	8	—	143	—	324	—	13	—	99	—	12	—
OUT-OF-WEDLOCK	3,099	285.9	12	122.4	1	41.7	107	352.0	166	254.2	4	148.1	69	367.0	1	52.6
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.8	57	5.8	23	9.9	225	8.9	371	7.0	26	10.9	162	8.6	20	9.8
SEX-MALE	4,035	9.3	40	—	11	—	117	—	184	—	9	—	100	—	9	—
FEMALE	3,695	8.4	17	—	12	—	108	—	187	—	17	—	62	—	11	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	-	-	2	6.6	3	4.6	-	-	1	5.3	-	-
NEONATAL (UNDER 28 DAYS)	41	3.8	-	-	-	-	1	3.3	-	-	-	-	1	5.3	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	3.0	-	-	-	-	1	3.3	3	4.6	-	-	-	-	-	-
FETAL DEATHS	49	4.5	1	10.2	-	-	3	9.9	-	-	-	-	1	5.3	-	-
PERINATAL DEATHS	90	8.3	1	10.2	-	-	4	13.2	-	-	-	-	2	10.6	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	16	161.9	8	344.8	69	272.3	92	172.8	6	251.0	38	202.5	10	490.2
CANCER	1,779	202.4	13	131.6	7	301.7	43	169.7	87	163.4	8	334.7	38	202.5	4	196.1
CEREBROVASCULAR DISEASE	544	61.9	4	40.5	1	43.1	23	90.8	29	54.5	2	83.7	12	63.9	1	49.0
CHRON. OBSTR. PULMONARY DISEASES	532	60.5	2	20.2	3	129.3	18	71.0	26	48.8	2	83.7	12	63.9	-	-
ACCIDENTS	443	50.4	6	60.7	-	-	16	63.1	16	30.0	2	83.7	15	79.9	2	98.0
PNEUMONIA AND INFLUENZA	300	34.1	4	40.5	-	-	8	31.6	18	33.8	-	-	6	32.0	-	-
SUICIDE	179	20.4	-	-	-	-	8	31.6	8	15.0	-	-	4	21.3	-	-
DIABETES	169	19.2	-	-	1	43.1	9	35.5	9	16.9	1	41.8	6	32.0	1	49.0
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	1	10.1	-	-	2	7.9	4	7.5	-	-	1	5.3	-	-
ALZHEIMER'S DISEASE	81	9.2	2	20.2	-	-	2	7.9	3	5.6	-	-	3	16.0	1	49.0
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	2	0.2	1	0.4	159	6.3	745	14.0	31	13.0	125	6.7	-	-
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	49	5.0	8	3.4	180	7.1	405	7.6	27	11.3	142	7.6	14	6.9
INFANT (UNDER 1 YEAR)	68	6.3	-	-	-	-	2	12.6	2	2.7	-	-	1	8.0	-	-
ACCIDENTAL	500	0.6	8	0.8	-	-	16	0.6	11	0.2	1	0.4	15	0.8	1	0.5
MOTOR VEHICLE	277	0.3	6	0.6	-	-	11	0.4	5	0.1	-	-	10	0.5	1	0.5
OTHER ACCIDENTAL	223	0.3	2	0.2	-	-	5	0.2	6	0.1	1	0.4	5	0.3	-	-
MARRIAGES	6,708	7.6	38	3.8	15	6.5	206	8.1	437	8.2	14	5.9	158	8.4	10	4.9
MARITAL TERMINATIONS	4,058	4.6	29	2.9	7	3.0	175	6.9	319	6.0	2	0.8	104	5.5	1	0.5

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

TABLE 28 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	878,810		6,900		1,810		3,730		88,820		4,610		15,910		520	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	5	0 7	10	5 6	12	3 2	367	4.1	(11)	-2 4	35	2 2	2	3 8
LIVE BIRTHS, TOTAL	10,840	12.3	70	10 1	26	14.4	40	10 7	992	11 2	51	11 1	178	11.2	7	13 5
SEX-MALE	5,583	12.9	39	—	18	—	22	—	525	—	26	—	88	—	5	—
FEMALE	5,257	12.0	31	—	8	—	18	—	467	—	25	—	90	—	2	—
OUT-OF-WEDLOCK	3,099	285.9	10	142 9	2	76 9	17	425.0	243	245.0	14	274.5	31	174.2	-	-
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8 8	65	9 4	16	8 8	28	7 5	625	7.0	62	13.4	143	9 0	5	9.6
SEX-MALE	4,035	9.3	34	—	4	—	16	—	309	—	34	—	78	—	2	—
FEMALE	3,695	8.4	31	—	12	—	12	—	316	—	28	—	65	—	3	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	2	28 6	-	-	-	-	8	8 1	2	39 2	-	-	-	-
NEONATAL (UNDER 28 DAYS)	41	3.8	2	28.6	-	-	-	-	4	4.0	1	19 6	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	3 0	-	-	-	-	-	-	4	4 0	1	19.6	-	-	-	-
FETAL DEATHS	49	4.5	-	-	-	-	-	-	5	5 0	1	19 6	1	5 6	-	-
PERINATAL DEATHS	90	8 3	2	28 6	-	-	-	-	9	9 1	2	39 2	1	5 6	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	19	275 4	6	331.5	13	348.5	156	175 6	19	412.1	38	238 8	1	192.3
CANCER	1,779	202 4	8	115 9	4	221.0	6	160.9	139	156 5	9	195.2	32	201.1	1	192.3
CEREBROVASCULAR DISEASE	544	61 9	7	101.4	-	-	2	53.6	45	50 7	3	65.1	5	31.4	-	-
CHRON OBSTR. PULMONARY DISEASES	532	60 5	3	43 5	2	110.5	2	53 6	40	45.0	5	108.5	9	56 6	1	192 3
ACCIDENTS	443	50.4	5	72 5	1	55 2	1	26.8	45	50 7	6	130.2	12	75.4	1	192.3
PNEUMONIA AND INFLUENZA	300	34 1	7	101 4	-	-	-	-	25	28 1	3	65.1	9	56.6	1	192 3
SUICIDE	179	20.4	1	14.5	-	-	1	26.8	18	20.3	2	43.4	4	25.1	-	-
DIABETES	169	19 2	-	-	-	-	-	-	15	16.9	-	-	1	6.3	-	-
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	-	-	1	55 2	-	-	11	12.4	1	21.7	6	50.3	-	-
ALZHEIMER'S DISEASE	81	9 2	-	-	-	-	-	-	1	1.1	-	-	3	18.9	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	11	1.6	-	-	4	1.1	1,403	15.8	2	0 4	207	13.0	-	-
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8 8	59	8 6	17	9 4	35	9.4	799	9.0	44	9 5	137	8 6	2	3.8
INFANT (UNDER 1 YEAR)	68	6 3	-	-	-	-	-	-	8	5.7	1	500 0	-	-	-	-
ACCIDENTAL	500	0.6	5	0.7	2	1.1	7	1.9	66	0.7	3	0.7	12	0.8	-	-
MOTOR VEHICLE	277	0.3	5	0.7	1	0 6	7	1.9	33	0.4	2	0 4	6	0 4	-	-
OTHER ACCIDENTAL	223	0.3	-	-	1	0.6	-	-	33	0.4	1	0.2	6	0.4	-	-
MARRIAGES	6,706	7 6	58	8 4	13	7.2	31	8 3	665	7 5	27	5 9	164	10.3	5	9 6
MARITAL TERMINATIONS	4,058	4.6	17	2.5	3	1.7	16	4.3	473	5.3	20	4.3	89	5.6	5	9 6

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

TABLE 29 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	878,810		4,900		6,430		1,910		7,070		1,340		34,550		10,190	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	1	0.2	1	0.2	(14)	-7.3	(4)	-0.6	(6)	-4.3	73	2.2	21	2.0
LIVE BIRTHS, TOTAL	10,840	12.3	47	9.6	77	12.0	13	6.6	57	8.1	12	9.0	385	11.1	135	13.2
SEX-MALE	5,583	12.9	20	—	41	—	6	—	30	—	6	—	202	—	73	—
FEMALE	5,257	12.0	27	—	36	—	7	—	27	—	6	—	183	—	62	—
OUT-OF-WEDLOCK	3,099	285.9	9	191.5	21	272.7	1	76.9	16	280.7	2	166.7	61	210.4	32	237.0
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.8	46	9.4	76	11.8	27	14.1	61	8.6	18	13.4	312	9.0	114	11.2
SEX-MALE	4,035	9.3	26	—	39	—	14	—	32	—	10	—	161	—	62	—
FEMALE	3,695	8.4	20	—	37	—	13	—	29	—	8	—	151	—	52	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	2	26.0	-	-	-	-	-	-	1	2.6	1	7.4
NEONATAL (UNDER 28 DAYS)	41	3.8	-	-	1	13.0	-	-	-	-	-	-	1	2.6	1	7.4
POSTNEONATAL (28 DAYS-1 YEAR)	32	3.0	-	-	1	13.0	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS	49	4.5	-	-	-	-	-	-	-	-	-	-	1	2.6	-	-
PERINATAL DEATHS	90	8.3	-	-	1	13.0	-	-	-	-	-	-	2	5.2	1	7.4
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	13	265.3	15	233.3	4	209.4	15	212.2	4	298.5	95	275.0	47	461.2
CANCER	1,779	202.4	9	183.7	25	388.8	3	157.1	16	226.3	3	223.9	68	196.8	30	294.4
CEREBROVASCULAR DISEASE	544	61.9	1	20.4	6	93.3	1	52.4	3	42.4	3	223.9	13	37.6	7	68.7
CHRON. OBSTR. PULMONARY DISEASES	532	60.5	4	81.6	8	124.4	1	52.4	3	42.4	2	149.3	22	63.7	3	29.4
ACCIDENTS	443	50.4	5	102.0	1	15.6	4	209.4	6	84.9	-	-	16	46.3	2	19.6
PNEUMONIA AND INFLUENZA	300	34.1	4	81.6	3	46.7	-	-	3	42.4	1	74.6	9	26.0	6	58.9
SUICIDE	179	20.4	1	20.4	2	31.1	-	-	-	-	-	-	10	28.9	1	9.8
DIABETES	169	19.2	2	40.8	1	15.6	-	-	1	14.1	-	-	5	14.5	1	9.8
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	-	-	1	15.6	-	-	-	-	1	74.6	3	8.7	1	9.8
ALZHEIMER'S DISEASE	81	9.2	-	-	-	-	1	52.4	1	14.1	2	149.3	7	20.3	1	9.8
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	1	0.2	20	3.1	-	-	23	3.3	-	-	224	6.5	154	15.1
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	34	6.9	64	10.0	24	12.6	49	6.9	10	7.5	264	7.6	108	10.6
INFANT (UNDER 1 YEAR)	68	6.3	-	-	-	-	-	-	-	-	-	-	2	8.9	1	6.5
ACCIDENTAL	500	0.6	2	0.4	3	0.5	5	2.6	2	0.3	-	-	11	0.3	3	0.3
MOTOR VEHICLE	277	0.3	2	0.4	3	0.5	5	2.6	-	-	-	-	5	0.1	1	0.1
OTHER ACCIDENTAL	223	0.3	-	-	-	-	-	-	2	0.3	-	-	6	0.2	2	0.2
MARRIAGES	6,708	7.6	34	6.9	37	5.8	5	2.6	61	8.6	5	3.7	208	6.0	74	7.3
MARITAL TERMINATIONS	4,058	4.6	12	2.4	18	2.8	2	1.0	35	5.0	1	0.7	128	3.7	37	3.6

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY.

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

TABLE 29 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	878,810		11,120		10,210		10,250		4,340		34,440		7,840		3,400	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	126	11.4	100	9.6	(20)	-2.0	(38)	-8.7	(32)	-0.9	26	3.4	(10)	-2.9
LIVE BIRTHS, TOTAL	10,840	12.3	212	19.1	179	17.5	105	10.2	30	6.9	402	11.7	84	10.7	34	10.0
SEX-MALE	5,583	12.9	121	—	97	—	59	—	19	—	188	—	44	—	15	—
FEMALE	5,257	12.0	91	—	82	—	46	—	11	—	214	—	40	—	19	—
OUT-OF-WEDLOCK	3,099	285.9	127	599.1	104	581.0	28	266.7	6	200.0	113	281.1	14	166.7	3	88.2
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.8	86	7.7	79	7.7	125	12.2	68	15.7	434	12.6	58	7.4	44	12.9
SEX-MALE	4,035	9.3	46	—	51	—	76	—	32	—	211	—	36	—	23	—
FEMALE	3,695	8.4	40	—	28	—	49	—	36	—	223	—	22	—	21	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	2	9.4	3	16.8	1	9.5	-	-	3	7.5	-	-	-	-
NEONATAL (UNDER 28 DAYS)	41	3.8	-	-	-	-	1	9.5	-	-	2	5.0	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	3.0	2	9.4	3	16.8	-	-	-	-	1	2.5	-	-	-	-
FETAL DEATHS	49	4.5	1	4.7	2	11.2	-	-	-	-	-	-	1	11.9	-	-
PERINATAL DEATHS	90	8.3	1	4.7	2	11.2	1	9.5	-	-	2	5.0	1	11.9	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	19	170.9	24	235.1	40	390.2	29	868.2	132	383.3	13	165.8	17	500.0
CANCER	1,779	202.4	14	125.9	18	176.3	33	322.0	14	322.6	95	275.8	18	229.6	12	352.9
CEREBROVASCULAR DISEASE	544	61.9	7	62.9	3	29.4	6	58.5	-	-	31	90.0	6	76.5	3	88.2
CHRON. OBSTR. PULMONARY DISEASES	532	60.5	2	18.0	4	39.2	5	48.8	4	92.2	36	104.5	3	38.3	1	29.4
ACCIDENTS	443	50.4	16	143.9	10	97.9	9	87.8	3	69.1	14	40.7	1	12.8	-	-
PNEUMONIA AND INFLUENZA	300	34.1	4	36.0	-	-	4	39.0	2	46.1	18	52.3	2	25.5	-	-
SUICIDE	179	20.4	2	18.0	1	9.8	4	39.0	2	46.1	10	29.0	1	12.8	-	-
DIABETES	169	19.2	3	27.0	-	-	1	9.8	-	-	-14	40.7	1	12.8	2	58.8
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	2	18.0	3	29.4	1	9.8	1	23.0	3	8.7	3	38.3	-	-
ALZHEIMER'S DISEASE	81	9.2	-	-	-	-	1	9.8	1	23.0	2	5.8	-	-	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	180	16.2	7	0.7	42	4.1	21	4.8	514	14.9	46	5.9	4	1.2
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	61	5.5	57	5.6	91	8.9	63	14.5	438	12.7	59	7.5	33	9.7
INFANT (UNDER 1 YEAR)	68	6.3	2	11.1	3	428.6	-	-	-	-	2	3.9	-	-	-	-
ACCIDENTAL	500	0.6	8	0.7	4	0.4	7	0.7	4	0.9	15	0.4	3	0.4	-	-
MOTOR VEHICLE	277	0.3	5	0.4	3	0.3	6	0.6	-	-	9	0.3	2	0.3	-	-
OTHER ACCIDENTAL	223	0.3	3	0.3	1	0.1	1	0.1	4	0.9	6	0.2	1	0.1	-	-
MARRIAGES	6,708	7.6	67	6.0	56	5.5	83	8.1	34	7.8	250	7.3	46	5.9	33	9.7
MARITAL TERMINATIONS	4,058	4.6	21	1.9	26	2.5	35	3.4	8	1.8	59	1.7	22	2.8	12	3.5

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY.
* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.
** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

TABLE 29 (CONCLUDED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 1997

ITEM	MONTANA +		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	878,810		6,340		4,820		840		8,300		2,330		1,110		125,770	
RESIDENCE																
NATURAL INCREASE	3,110	3.5	(9)	-1.4	11	2.2	2	2.3	12	1.4	(6)	-2.5	(3)	-2.6	650	5.2
LIVE BIRTHS, TOTAL	10,840	12.3	65	10.3	68	14.1	7	8.3	100	12.0	21	9.0	13	11.7	1,694	13.5
SEX-MALE	5,583	12.9	32	—	36	—	5	—	47	—	9	—	7	—	874	—
FEMALE	5,257	12.0	33	—	32	—	2	—	53	—	12	—	6	—	820	—
OUT-OF-WEDLOCK	3,099	285.9	9	138.5	17	250.0	3	428.6	29	290.0	4	190.5	1	78.9	530	312.9
DEATHS (EXCLUDING FETALS), TOTAL	7,730	8.8	74	11.7	57	11.8	5	6.0	88	10.6	27	11.6	16	14.4	1,044	8.3
SEX-MALE	4,035	9.3	33	—	33	—	5	—	52	—	13	—	8	—	548	—
FEMALE	3,895	8.4	41	—	24	—	-	—	36	—	14	—	8	—	496	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	-	-	-	-	-	-	2	95.2	-	-	9	5.3
NEONATAL (UNDER 28 DAYS)	41	3.8	-	-	-	-	-	-	-	-	1	47.6	-	-	9	5.3
POSTNEONATAL (28 DAYS-1 YEAR)	32	3.0	-	-	-	-	-	-	-	-	1	47.6	-	-	-	-
FETAL DEATHS	49	4.5	1	15.4	1	14.7	-	-	3	30.0	-	-	-	-	6	3.5
PERINATAL DEATHS	90	8.3	1	15.4	1	14.7	-	-	3	30.0	1	47.6	-	-	15	8.9
LEADING CAUSES OF DEATH **																
HEART DISEASE	2,097	238.6	28	441.6	19	394.2	2	238.1	21	253.0	9	386.3	5	450.5	262	208.3
CANCER	1,779	202.4	15	236.6	16	332.0	2	238.1	19	228.9	3	128.8	3	270.3	249	198.0
CEREBROVASCULAR DISEASE	544	61.9	5	78.9	1	20.7	-	-	5	60.2	1	42.9	1	90.1	97	77.1
CHRON. OBSTR. PULMONARY DISEASES	532	60.5	3	47.3	2	41.5	-	-	6	72.3	1	42.9	2	180.2	78	62.0
ACCIDENTS	443	50.4	2	31.5	4	83.0	-	-	3	36.1	-	-	1	90.1	37	29.4
PNEUMONIA AND INFLUENZA	300	34.1	6	94.6	5	103.7	-	-	14	168.7	3	128.8	-	-	31	24.6
SUICIDE	179	20.4	-	-	2	41.5	-	-	2	24.1	-	-	-	-	28	22.3
DIABETES	169	19.2	1	15.8	3	62.2	-	-	4	48.2	1	42.9	1	90.1	21	16.7
NEPHRITIS, NEPHROTIC & NEPHROSIS	98	11.2	1	15.8	-	-	1	119.0	1	12.0	1	42.9	-	-	9	7.2
ALZHEIMER'S DISEASE	81	9.2	2	31.5	-	-	-	-	-	-	1	42.9	-	-	11	8.7
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,731	12.2	2	0.3	91	18.9	-	-	107	12.9	-	-	-	-	1,968	15.6
DEATHS (EXCLUDING FETAL), TOTAL	7,754	8.8	54	8.5	55	11.4	3	3.6	79	9.5	22	9.4	11	9.9	1,273	10.1
INFANT (UNDER 1 YEAR)	68	6.3	-	-	-	-	-	-	-	-	-	-	-	-	12	6.1
ACCIDENTAL	500	0.6	1	0.2	5	1.0	-	-	5	0.6	-	-	1	0.9	59	0.5
MOTOR VEHICLE	277	0.3	1	0.2	3	0.6	-	-	2	0.2	-	-	1	0.9	28	0.2
OTHER ACCIDENTAL	223	0.3	-	-	2	0.4	-	-	3	0.4	-	-	-	-	31	0.2
MARRIAGES	6,708	7.6	49	7.7	30	6.2	3	3.6	43	5.2	21	9.0	8	7.2	888	7.1
MARITAL TERMINATIONS	4,058	4.6	17	2.7	17	3.5	4	4.8	24	2.9	7	3.0	4	3.6	663	5.3

+ MONTANA RESIDENCE TOTALS INCLUDES ONE BIRTH TO A MONTANA RESIDENT OF UNKNOWN COUNTY.
* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS
** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY

TABLE 30

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
TOTAL											
LIVE BIRTHS											
NUMBER	10,840	17	429	881	2,834	3,065	2,232	1,151	223	8	-
PERCENT	100.0	0.2	4.0	8.1	26.1	28.3	20.6	10.6	2.1	0.1	-
FETAL DEATHS											
NUMBER	49	1	-	5	20	12	3	5	1	2	-
PERCENT	100.0	2.0	-	10.2	40.8	24.5	6.1	10.2	2.0	4.1	-
INDUCED ABORTIONS											
NUMBER	2,316	15	244	319	705	442	281	226	77	4	3
PERCENT	100.0	0.6	10.5	13.8	30.4	19.1	12.1	9.8	3.3	0.2	0.1
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	99	-	3	7	26	28	22	12	1	-	-
PERCENT	100.0	-	3.0	7.1	26.3	28.3	22.2	12.1	1.0	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	25	-	5	2	8	4	3	2	1	-	-
PERCENT	100.0	-	20.0	8.0	32.0	16.0	12.0	8.0	4.0	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	253	-	25	33	76	63	38	14	4	-	-
PERCENT	100.0	-	9.9	13.0	30.0	24.9	15.0	5.5	1.6	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	2	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	25	-	7	4	4	3	5	2	-	-	-
PERCENT	100.0	-	28.0	16.0	16.0	12.0	20.0	8.0	-	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	112	1	7	15	34	23	21	9	2	-	-
PERCENT	100.0	0.9	6.3	13.4	30.4	20.5	18.8	8.0	1.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	-	4	-	4	1	1	1	-	-
PERCENT	100.0	-	-	36.4	-	36.4	9.1	9.1	9.1	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	46	-	2	2	14	12	9	7	-	-	-
PERCENT	100.0	-	4.3	4.3	30.4	26.1	19.6	15.2	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	1	1	1	1	-	-	-
PERCENT	100.0	-	-	-	25.0	25.0	25.0	25.0	-	-	-
CARBON											
LIVE BIRTHS											
NUMBER	78	-	2	8	16	14	25	11	2	-	-
PERCENT	100.0	-	2.6	10.3	20.5	17.9	32.1	14.1	2.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	3	1	1	2	2	4	2	-	-
PERCENT	100.0	-	20.0	6.7	6.7	13.3	13.3	26.7	13.3	-	-
CARTER											
LIVE BIRTHS											
NUMBER	13	-	-	-	2	3	4	3	1	-	-
PERCENT	100.0	-	-	-	15.4	23.1	30.8	23.1	7.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
CASCADE											
LIVE BIRTHS											
NUMBER	1,071	3	38	81	310	304	218	98	19	-	-
PERCENT	100.0	0.3	3.5	7.6	28.9	28.4	20.4	9.2	1.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	197	5	24	32	59	36	21	14	6	-	-
PERCENT	100.0	2.5	12.2	16.2	29.9	18.3	10.7	7.1	3.0	-	-
CHOUTEAU											
LIVE BIRTHS											
NUMBER	45	-	2	2	9	19	8	4	1	-	-
PERCENT	100.0	-	4.4	4.4	20.0	42.2	17.8	8.9	2.2	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	1	3	2	2	-	1	-	-	-
PERCENT	100.0	-	11.1	33.3	22.2	22.2	-	11.1	-	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	132	-	8	18	34	42	20	8	2	-	-
PERCENT	100.0	-	6.1	13.6	25.8	31.8	15.2	6.1	1.5	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	29	-	2	6	9	4	5	3	-	-	-
PERCENT	100.0	-	6.9	20.7	31.0	13.8	17.2	10.3	-	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	13	-	-	-	2	5	5	1	-	-	-
PERCENT	100.0	-	-	-	15.4	38.5	38.5	7.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	77	-	2	5	23	30	12	3	2	-	-
PERCENT	100.0	-	2.6	6.5	29.9	39.0	15.6	3.9	2.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	1	3	4	1	-	-	-	-	-
PERCENT	100.0	-	11.1	33.3	44.4	11.1	-	-	-	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	105	-	10	13	34	26	14	5	3	-	-
PERCENT	100.0	-	9.5	12.4	32.4	24.8	13.3	4.8	2.9	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	-	-	-	-	1	2	-
PERCENT	100.0	-	-	-	-	-	-	-	33.3	66.7	-
INDUCED ABORTIONS											
NUMBER	22	-	3	3	8	3	4	-	1	-	-
PERCENT	100.0	-	13.6	13.6	36.4	13.6	18.2	-	4.5	-	-
FALLON											
LIVE BIRTHS											
NUMBER	29	-	-	4	2	14	8	-	1	-	-
PERCENT	100.0	-	-	13.8	6.9	48.3	27.6	-	3.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	2	-	-	-	-	-	1	-	-
PERCENT	100.0	-	66.7	-	-	-	-	-	33.3	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
FERGUS											
LIVE BIRTHS											
NUMBER	119	-	1	11	31	41	16	17	2	-	-
PERCENT	100.0	-	0.8	9.2	26.1	34.5	13.4	14.3	1.7	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	4	-	3	2	3	-	-	-	-
PERCENT	100.0	-	33.3	-	25.0	16.7	25.0	-	-	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	904	1	36	71	249	252	179	104	11	1	-
PERCENT	100.0	0.1	4.0	7.9	27.5	27.9	19.8	11.5	1.2	0.1	-
FETAL DEATHS											
NUMBER	5	-	-	1	3	1	-	-	-	-	-
PERCENT	100.0	-	-	20.0	60.0	20.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	213	2	20	25	68	36	25	29	8	-	-
PERCENT	100.0	0.9	9.4	11.7	31.9	16.9	11.7	13.6	3.8	-	-
GALLATIN											
LIVE BIRTHS											
NUMBER	743	2	10	34	188	201	179	109	18	2	-
PERCENT	100.0	0.3	1.3	4.6	25.3	27.1	24.1	14.7	2.4	0.3	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	1	-	-	-	-	-
PERCENT	100.0	-	-	-	50.0	50.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	278	1	15	33	109	49	31	23	16	1	-
PERCENT	100.0	0.4	5.4	11.9	39.2	17.6	11.2	8.3	5.8	0.4	-
GARFIELD											
LIVE BIRTHS											
NUMBER	22	-	-	3	7	4	5	3	-	-	-
PERCENT	100.0	-	-	13.6	31.8	18.2	22.7	13.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	1	-	-	-	-	-	-	-	-	-
PERCENT	100.0	100.0	-	-	-	-	-	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	242	1	26	31	76	34	46	21	7	-	-
PERCENT	100.0	0.4	10.7	12.8	31.4	14.0	19.0	8.7	2.9	-	-
FETAL DEATHS											
NUMBER	3	1	-	-	-	2	-	-	-	-	-
PERCENT	100.0	33.3	-	-	-	66.7	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	31	-	3	4	13	4	4	3	-	-	-
PERCENT	100.0	-	9.7	12.9	41.9	12.9	12.9	9.7	-	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	11	-	-	-	-	5	5	1	-	-	-
PERCENT	100.0	-	-	-	-	45.5	45.5	9.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	42	-	1	2	16	11	5	6	1	-	-
PERCENT	100.0	-	2.4	4.8	38.1	26.2	11.9	14.3	2.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	2	-	1	-	-	-	-
PERCENT	100.0	-	-	-	66.7	-	33.3	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
HILL											
LIVE BIRTHS											
NUMBER	266	-	19	25	74	71	48	23	5	1	-
PERCENT	100.0	-	7.1	9.4	27.8	26.7	18.0	8.6	1.9	0.4	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	32	1	4	7	9	5	3	3	-	-	-
PERCENT	100.0	3.1	12.5	21.9	28.1	15.6	9.4	9.4	-	-	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	98	-	2	3	19	30	27	14	3	-	-
PERCENT	100.0	-	2.0	3.1	19.4	30.6	27.6	14.3	3.1	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	18	-	1	-	3	3	3	5	3	-	-
PERCENT	100.0	-	5.6	-	16.7	16.7	16.7	27.8	16.7	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	24	-	-	-	3	7	6	8	-	-	-
PERCENT	100.0	-	-	-	12.5	29.2	25.0	33.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
LAKE											
LIVE BIRTHS											
NUMBER	304	1	19	24	84	80	58	30	7	1	-
PERCENT	100.0	0.3	6.3	7.9	27.6	26.3	19.1	9.9	2.3	0.3	-
FETAL DEATHS											
NUMBER	3	-	-	-	1	1	-	1	-	-	-
PERCENT	100.0	-	-	-	33.3	33.3	-	33.3	-	-	-
INDUCED ABORTIONS											
NUMBER	50	-	9	10	10	7	5	7	1	-	1
PERCENT	100.0	-	18.0	20.0	20.0	14.0	10.0	14.0	2.0	-	2.0
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	653	3	25	51	141	208	134	77	14	-	-
PERCENT	100.0	0.5	3.8	7.8	21.6	31.9	20.5	11.8	2.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	151	1	17	25	45	27	17	13	5	1	-
PERCENT	100.0	0.7	11.3	16.6	29.8	17.9	11.3	8.6	3.3	0.7	-
LIBERTY											
LIVE BIRTHS											
NUMBER	27	-	-	2	7	11	6	-	1	-	-
PERCENT	100.0	-	-	7.4	25.9	40.7	22.2	-	3.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	188	-	13	24	65	44	23	12	7	-	-
PERCENT	100.0	-	6.9	12.8	34.6	23.4	12.2	6.4	3.7	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	37	-	6	3	12	6	6	3	1	-	-
PERCENT	100.0	-	16.2	8.1	32.4	16.2	16.2	8.1	2.7	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
MCCONE											
LIVE BIRTHS											
NUMBER	19	-	-	1	5	7	4	2	-	-	-
PERCENT	100.0	-	-	5.3	26.3	36.8	21.1	10.5	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	-	1	1	-	-	-	-
PERCENT	100.0	-	-	-	-	50.0	50.0	-	-	-	-
MADISON											
LIVE BIRTHS											
NUMBER	70	-	-	5	22	17	13	10	3	-	-
PERCENT	100.0	-	-	7.1	31.4	24.3	18.6	14.3	4.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	19	-	1	3	-	6	6	2	1	-	-
PERCENT	100.0	-	5.3	15.8	-	31.6	31.6	10.5	5.3	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	26	-	2	1	5	9	7	2	-	-	-
PERCENT	100.0	-	7.7	3.8	19.2	34.6	26.9	7.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	40	-	3	5	14	8	6	4	-	-	-
PERCENT	100.0	-	7.5	12.5	35.0	20.0	15.0	10.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	1	2	1	2	2	1	1	1	-	-
PERCENT	100.0	9.1	18.2	9.1	18.2	18.2	9.1	9.1	9.1	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	992	-	24	67	239	280	228	127	27	-	-
PERCENT	100.0	-	2.4	6.8	24.1	28.2	23.0	12.8	2.7	-	-
FETAL DEATHS											
NUMBER	5	-	-	-	5	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	383	2	35	44	130	86	40	31	13	-	2
PERCENT	100.0	0.5	9.1	11.5	33.9	22.5	10.4	8.1	3.4	-	0.5
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	51	1	2	4	13	10	15	6	-	-	-
PERCENT	100.0	2.0	3.9	7.8	25.5	19.6	29.4	11.8	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	-	2	1	-	1	-	1	-	-
PERCENT	100.0	-	-	40.0	20.0	-	20.0	-	20.0	-	-
PARK											
LIVE BIRTHS											
NUMBER	178	-	3	11	45	49	32	28	9	1	-
PERCENT	100.0	-	1.7	6.2	25.3	27.5	18.0	15.7	5.1	0.6	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	35	-	1	6	7	8	2	7	4	-	-
PERCENT	100.0	-	2.9	17.1	20.0	22.9	5.7	20.0	11.4	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
PETROLEUM											
LIVE BIRTHS											
NUMBER	7	-	-	-	1	3	2	1	-	-	-
PERCENT	100.0	-	-	-	14.3	42.9	28.6	14.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	47	-	1	2	10	12	17	5	-	-	-
PERCENT	100.0	-	2.1	4.3	21.3	25.5	36.2	10.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	-	1	3	-	-	-	-	-
PERCENT	100.0	-	20.0	-	20.0	60.0	-	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	77	-	4	6	12	24	20	11	-	-	-
PERCENT	100.0	-	5.2	7.8	15.6	31.2	26.0	14.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	2	1	-	2	3	-	-	-	-
PERCENT	100.0	-	25.0	12.5	-	25.0	37.5	-	-	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	13	-	-	1	2	5	4	1	-	-	-
PERCENT	100.0	-	-	7.7	15.4	38.5	30.8	7.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	4	1	1	2	1	-	-	-	-
PERCENT	100.0	-	44.4	11.1	11.1	22.2	11.1	-	-	-	-
POWELL											
LIVE BIRTHS											
NUMBER	57	-	3	9	11	23	5	5	1	-	-
PERCENT	100.0	-	5.3	15.8	19.3	40.4	8.8	8.8	1.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	1	1	2	-	2	2	-	-	-
PERCENT	100.0	-	12.5	12.5	25.0	-	25.0	25.0	-	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	12	-	-	-	4	1	2	5	-	-	-
PERCENT	100.0	-	-	-	33.3	8.3	16.7	41.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	385	-	8	21	100	116	81	50	9	-	-
PERCENT	100.0	-	2.1	5.5	26.0	30.1	21.0	13.0	2.3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	64	-	11	9	10	15	7	11	1	-	-
PERCENT	100.0	-	17.2	14.1	15.6	23.4	10.9	17.2	1.6	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED

\- FREQUENCY IS ZERO

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.*
RICHLAND											
LIVE BIRTHS											
NUMBER	135	-	4	10	40	34	28	15	4	-	-
PERCENT	100.0	-	3.0	7.4	29.6	25.2	20.7	11.1	3.0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	2	-	-	1	1	1	-	-	-
PERCENT	100.0	-	40.0	-	-	20.0	20.0	20.0	-	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	212	3	17	30	60	51	34	15	2	-	-
PERCENT	100.0	1.4	8.0	14.2	28.3	24.1	16.0	7.1	0.9	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	20	-	1	4	4	8	1	2	-	-	-
PERCENT	100.0	-	5.0	20.0	20.0	40.0	5.0	10.0	-	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	179	-	15	32	43	42	30	14	3	-	-
PERCENT	100.0	-	8.4	17.9	24.0	23.5	16.8	7.8	1.7	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	-	2	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	2	3	3	3	2	-	-	-	-
PERCENT	100.0	-	15.4	23.1	23.1	23.1	15.4	-	-	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	105	-	4	15	27	27	18	12	4	-	-
PERCENT	100.0	-	3.8	14.3	25.7	25.7	15.2	11.4	3.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	5	1	1	-	3	-	2	-	-
PERCENT	100.0	-	41.7	8.3	8.3	-	25.0	-	16.7	-	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	30	-	1	1	11	5	7	5	-	-	-
PERCENT	100.0	-	3.3	3.3	36.7	16.7	23.3	16.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	1	-	2	1	-	-	-	-
PERCENT	100.0	-	-	25.0	-	50.0	25.0	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	402	-	22	30	104	119	80	40	7	-	-
PERCENT	100.0	-	5.5	7.5	25.9	29.6	19.9	10.0	1.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	86	-	7	14	37	16	9	3	-	-	-
PERCENT	100.0	-	8.1	16.3	43.0	18.6	10.5	3.5	-	-	-
STILLWATER											
LIVE BIRTHS											
NUMBER	84	-	3	10	18	20	23	8	2	-	-
PERCENT	100.0	-	3.6	11.9	21.4	23.8	27.4	9.5	2.4	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	2	1	2	2	1	1	-	-	-
PERCENT	100.0	-	22.2	11.1	22.2	22.2	11.1	11.1	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

* NOT STATED

\- FREQUENCY IS ZERO

TABLE 30 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
SWEET GRASS											
LIVE BIRTHS											
NUMBER	34	-	-	4	13	9	3	4	1	-	-
PERCENT	100.0	-	-	11.8	38.2	26.5	8.8	11.8	2.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	3	-	2	-	3	4	1	-	-
PERCENT	100.0	-	23.1	-	15.4	-	23.1	30.8	7.7	-	-
TETON											
LIVE BIRTHS											
NUMBER	65	-	2	2	16	21	20	4	-	-	-
PERCENT	100.0	-	3.1	3.1	24.6	32.3	30.8	6.2	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	1	-	3	-	-	-	-	-
PERCENT	100.0	-	-	25.0	-	75.0	-	-	-	-	-
TOOLE											
LIVE BIRTHS											
NUMBER	68	-	1	5	15	28	12	6	1	-	-
PERCENT	100.0	-	1.5	7.4	22.1	41.2	17.6	8.8	1.5	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	2	4	-	2	-	-	-	-	-
PERCENT	100.0	-	25.0	50.0	-	25.0	-	-	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	7	-	-	2	4	1	-	-	-	-	-
PERCENT	100.0	-	-	28.6	57.1	14.3	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	1	1	1	-	-	-	-	-
PERCENT	100.0	-	-	33.3	33.3	33.3	-	-	-	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	100	-	1	8	30	29	21	11	-	-	-
PERCENT	100.0	-	1.0	8.0	30.0	29.0	21.0	11.0	-	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	1	2	-	-	-	-	-
PERCENT	100.0	-	-	-	33.3	66.7	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	7	-	3	2	-	-	-	2	-	-	-
PERCENT	100.0	-	42.9	28.6	-	-	-	28.6	-	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	21	-	1	1	5	8	4	2	-	-	-
PERCENT	100.0	-	4.8	4.8	23.8	38.1	19.0	9.5	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	100.0	-	-	33.3	33.3	33.3	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	-	2	3	2	1	-	-	-	-
PERCENT	100.0	-	-	25.0	37.5	25.0	12.5	-	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	13	-	-	-	3	4	5	1	-	-	-
PERCENT	100.0	-	-	-	23.1	30.8	38.5	7.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	-	-	-	1	1	-	-
PERCENT	100.0	-	-	-	-	-	-	50.0	50.0	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 30 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS*
BY WOMAN'S AGE AND COUNTY OF RESIDENCE
MONTANA, 1997

COUNTY OF RESIDENCE	TOTAL	AGE GROUP									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,694	1	57	129	419	521	372	157	36	2	-
PERCENT	100.0	0.1	3.4	7.6	24.7	30.8	22.0	9.3	2.1	0.1	-
FETAL DEATHS											
NUMBER	6	-	-	1	4	1	-	-	-	-	-
PERCENT	100.0	-	-	16.7	66.7	16.7	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	365	1	26	47	120	72	53	39	6	1	-
PERCENT	100.0	0.3	7.1	12.9	32.9	19.7	14.5	10.7	1.6	0.3	-
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	28	-	6	5	7	6	2	1	-	1	-
PERCENT	100.0	-	21.4	17.9	25.0	21.4	7.1	3.6	-	3.6	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 31A

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
DISEASE SUMMARY FOR 1997

Reporting County*	CAMPYLOBACTER	DIPHTHERIA	PATHOGENIC E COLI	GIARDIA	HAEMOPHILIS	INFLUENZA B	HEPATITIS A	HEPATITIS B	HEPATITIS NON A NON B	LEGIONELLA	MEASLES	MENING	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TB	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	2	-	-	1	-	-	1	-	-	-	-	-	2	-	-	-	-	1/40
Big Horn	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-
Blaine	3	-	1	3	-	-	-	-	2	-	-	-	-	-	2	-	-	-
Broadwater	2	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Carbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	13	-	2	18	-	-	11	-	5	-	-	-	2	-	8	-	3	-
Chouteau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	-	-	-	-	-	-	1	2	1	-	-	-	-	-	1	-	-	-
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawson	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-
Deer Lodge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fergus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-
Flathead	12	-	7	11	-	-	1	-	3	1	-	2	-	-	1	-	-	2/134
Gallatin	22	-	6	35	-	-	2	1	1	-	-	-	1	-	5	2	1	3/55
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	2	-	1	2	-	-	26	-	7	-	-	-	-	-	1	3	1	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	5	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-
Jefferson	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Judith Basin	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	4	-	-	4	-	-	7	-	-	-	-	-	1	-	6	-	-	-
Lewis & Clark	10	-	7	12	-	-	3	2	1	-	-	-	-	-	5	-	1	-
Liberty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lincoln	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
McCone	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Madison	1	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Mineral	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Missoula	14	-	1	25	-	-	4	1	-	-	-	1	2	1	10	4	3	11/51
Musselshell	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Park	2	-	1	1	-	-	-	1	-	-	-	-	-	-	1	1	-	1/2
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Pondera	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prarie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	2	-	1	1	-	-	-	-	-	-	-	-	7	2	-	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Roosevelt	3	-	1	2	-	-	1	-	-	-	-	-	-	-	1	-	4	-
Rosebud	1	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-
Sanders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/15
Sheridan	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	5	-	-	1	-	-	3	-	1	-	-	-	-	-	2	-	1	-
Stillwater	1	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Sweet Grass	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teton	1	-	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	1/40
Toole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheatland	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone	13	-	2	24	-	5	5	-	-	-	3	1	1	6	-	1	1/3	
1997	124	-	42	154	-	71	12	24	1	-	6	15	4	83	11	16	21/340	
1996	108	-	27	129	1	130	21	20	1	-	9	37	3	101	63	18	NA	
1995	99	-	60	122	1	173	24	16	4	-	4	9	5	103	256	21	NA	

* "Reporting county" reflects county of residence whenever possible.
The above disease totals reflect the cumulative number of reports received by DPHHS through December 1997.
Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also represent the date of report or laboratory test. The reporting county is the county of residence / occurrence of the case. Data are subject to corrections.

TABLE 31B

DISEASE SUMMARY BY COUNTY
SEXUALLY TRANSMITTED DISEASES, 1997 TOTALS

Reporting County*	AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	-	2	2	-
Big Horn	2	52	2	-
Blaine	-	13	2	-
Broadwater	-	2	-	-
Carbon	-	4	-	-
Carter	-	-	-	-
Cascade	3	165	5	-
Choteau	-	3	-	-
Custer	-	23	-	-
Daniels	-	-	-	-
Dawson	-	12	-	-
Deer Lodge	2	8	1	-
Fallon	-	-	-	-
Fergus	2	3	-	-
Flathead	4	60	1	-
Gallatin	2	66	2	-
Garfield	-	-	-	-
Glacier	-	75	5	-
Golden Valley	-	-	-	-
Granite	-	-	-	-
Hill	-	49	2	-
Jefferson	-	2	-	-
Judith Basin	-	-	-	-
Lake	-	57	1	1
Lewis & Clark	-	67	1	-
Liberty	-	-	-	-
Lincoln	1	4	1	-
Madison	-	2	1	-
McCone	-	-	-	-
Meagher	-	-	-	-
Mineral	-	3	-	-
Missoula	11	120	6	-
Musselshell	-	2	-	-
Park	1	7	-	-
Petroleum	-	-	-	-
Phillips	-	1	1	-
Pondera	-	5	-	-
Powder River	-	-	-	-
Powell	1	6	-	-
Prarie	-	-	-	-
Ravalli	-	19	-	-
Richland	-	10	-	-
Roosevelt	1	40	2	-
Rosebud	-	48	3	3
Sanders	-	9	-	-
Sheridan	-	1	10	-
Silver Bow	4	41	1	-
Stillwater	1	3	-	-
Sweet Grass	-	-	-	-
Teton	-	2	-	-
Tools	-	1	-	-
Treasure	-	1	-	-
Valley	-	10	2	-
Wheatland	-	-	-	-
Wibaux	-	1	-	-
Yellowstone	11	199	14	1
1997	47	1,208	67	5
1996	46	1,226	38	4
1995	37	1,220	69	19

* "Reporting county" reflects county of residence whenever possible.

TABLE 31C

OTHER DISEASES OF INTEREST: All cases Reported in 1997

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur.
All counties reporting at least one case are listed.

Reporting County*	AMEBIASIS	BAC MEN OTHER	COLORADO TICK	CRYPTOSPOR	CYCLOSPORA	HANTAVIRUS	KAWASAKI SYN	LISTERIA	MALARIA	RABIES HUMAN	TETANUS	TRICHINOSIS	TULAREMIA	TYPHOID FVR	YERSINIOSIS
Big Horn	-	-	4	2	-	-	-	-	-	-	-	-	5	-	-
Blaine	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Cascade	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Deer Lodge	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Flathead	-	-	-	-	-	-	-	-	-	-	-	4	1	-	2
Gallatin	-	-	-	1	-	-	-	-	1	-	1	-	-	1	-
Glacier	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lewis & Clark	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Mineral	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Missoula	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Musselshell	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Powell	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Roosevelt	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Sanders	-	-	-	-	-	1		-	-	-	-	-	-	-	-
Silver Bow	1	1	-	-	-	-	-	1	-	-	-	-	1	-	-
Yellowstone	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
1997	1	5	6	5	1	2	1	1	2	1	1	4	7	1	2
1996	0	6	3	4	0	1	1	1	7	1	0	0	5	0	4
1995	3	4	1	9	0	0	2	1	3	0	0	0	3	0	2

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below, Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT: Fifty-two of the 1,140 specimens tested in 1997 tested positive for the virus.

Big Horn:	Two Skunks, One Dog	Madison:	One Bat
Carter:	Four Skunks, One Cow	Mineral:	One Bat
Cascade:	Two Bats	Missoula:	Four Bats
Fallon:	Six Skunks	Musselshell:	One Skunk
Fergus :	Three Skunks, One Lamb, One Cat	Ravalli:	One Bat
Flathead:	Five Bats	Rosebud:	One Bat
Gallatin:	One Bat	Sanders:	Two Bats
Lake:	One Bat	Treasure:	Two Bats
Lewis & Clark:	Two Bats	Valley:	Five Skunks, Two Bats
		Yellowstone:	Two Bats

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of reports is summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure".

PARK CO.: Two individuals reported with a similar illness after a common exposure.
SANDERS CO.: One incident with fifteen of approximately 17 individuals attending steak night ill next day. No causative agent or improper foodhandling identified.
TETON CO.: One incident with approximately 40 ill. Those ill predominantly residents of a retirement home and friends with history of food consumption at the retirement home. No causative agent identified, recommendations regarding foodhandling practices made by county.
GALLATIN CO.: One incident linked to hotel buffet with 17 individuals ill, no causative agent identified. One incident with three ill linked to fast food, possibly salmonella related.
One incident with 39 ill of 57 interviewed (139 total attended). Associated with box lunches prepared at a local grocery. General gastrointestinal symptoms reported. No causative agent identified.
BEAVERHEAD CO: One incident with 40 of 155 ill. Those ill had attended a wedding reception where snacks and homemade cheesecake were served. General gastointestinal symptome reported, no causative agent identified.
FLATHEAD CO: One incident with four individuals dignosed with Trichinosis after eating home-made bear jerky. One incident at large nursing care center with approximately 130 individuals ill with gastroenteritis, no causative agent identified.
YELLOWSTONE CO: One incident with 3 ill, related to fast food restaurant, no causative agent identified.
MISSOULA CO: Several incidents with 2 to 8 individuals ill associated with restaurants and fast food establishments. One incident with 14 ill associated with the consumption of home-made Christmas cookies.

For more information on disease reporting, including how and what to report, contact Jim Murphy at (406) 444-0274 or by E-mail at JMURPHY@MT.GOV. This information is also available at www.dphhs.mt.gov/res/disease.htm

TABLE 32
REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 1997 DIAGNOSES
CASES REPORTED AS OF AUGUST 31, 1998

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	1,427	1,514	2,941
Buccal Cavity and Pharynx	29	22	51
Lip	4	1	5
Tongue	10	8	18
Major Salivary gland	3	2	5
Floor of Mouth	1	1	2
Gum & Other Mouth	4	3	7
Nasopharynx	-	2	2
Tonsil	4	2	6
Oropharynx	2	-	2
Hypopharynx	1	3	4
Pharynx	-	-	0
Digestive System	300	237	537
Esophagus	25	7	32
Stomach	33	12	45
Small Intestine	10	3	13
Colon	129	131	260
Rectum & Rectosigmoid	52	38	90
Anus & Anocanal	3	5	8
Liver	13	6	19
Gallbladder	2	1	3
Other Biliary	3	5	8
Pancreas	29	22	51
Retroperitoneum	-	1	1
Peritoneum	-	6	6
Other Digestive Organs	1	-	1
Respiratory System	238	183	421
Nasal Cavity & Sinuses	2	3	5
Larynx	21	7	28
Lung & Bronchus	213	173	386
Trachea & Pleura	2	-	2
Bones & Joints	5	1	6
Soft Tissue	5	4	9
Melanoma	49	33	82
Breast	3	468	471
Eye	3	-	3

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
Female Genital System	—	281	281
Cervix	—	35	35
Cervix In-situ	—	101	101
Uterus	—	82	82
Ovary	—	48	48
Vagina	—	5	5
Vulva	—	9	9
Other Female Genital Organs	—	1	1
Male Genital System	406	—	406
Prostate	384	—	384
Testis	17	—	17
Penis	5	—	5
Other Male Genital Organs	-	—	0
Urinary System	158	62	220
Bladder	103	26	129
Kidney & Renal Pelvis	45	32	77
Ureter	10	1	11
Other Urinary Organs	-	3	3
Brain & Other Nervous System	46	46	92
Brain	36	20	56
Other Nervous System	10	26	36
Endocrine System	17	44	61
Thyroid Gland	10	39	49
Other Endocrine	7	5	12
Lymphomas*	77	57	134
Hodgkin's Disease	9	8	17
Non-Hodgkin's Lymphomas	68	49	117
Multiple Myeloma	20	6	26
Leukemias	34	28	62
Acute Lymphocytic	3	6	9
Chronic Granulocytic	12	10	22
Acute Myeloid	15	9	24
Chronic Myeloid	1	1	2
Other Leukemia	3	2	5
Unknown and Ill-defined Sites	37	42	79

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

This table will be updated in November of this year on Montana's Vital Statistics web page, http://www.dphhs.mt.gov/res/vital.htm.

TABLE 33
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 1997 DIAGNOSES
CASES REPORTED AS OF AUGUST 31, 1998

AGE AT DIAGNOSIS	PRIMARY CANCER SITES																							
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	3	5	3	5
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	4	3	4	3
10-14	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	2	---	-	-	-	1	1	1	3
15-19	-	---	-	-	-	-	-	-	-	1	-	-	---	-	3	1	---	-	-	-	3	11	6	13
20-24	-	---	-	-	-	-	-	-	-	-	-	-	---	1	2	2	---	-	-	-	3	14	5	17
25-29	-	---	-	-	-	-	1	-	-	-	-	-	---	-	3	1	---	1	-	-	7	32	11	34
30-34	-	---	-	7	1	1	2	-	-	1	-	-	---	-	1	1	---	-	-	-	9	29	13	39
35-39	-	---	-	20	-	-	1	2	1	-	1	-	---	1	4	2	---	4	1	-	16	39	24	68
40-44	2	---	-	29	1	1	2	3	1	1	1	-	---	3	5	1	---	1	1	-	9	36	22	75
45-49	6	---	-	69	5	4	6	4	4	-	5	2	---	2	2	1	---	5	3	-	32	28	63	115
50-54	16	---	-	55	3	6	4	4	1	6	-	2	---	8	7	7	---	5	1	-	32	30	64	123
55-59	26	---	-	51	17	13	6	10	4	3	5	1	---	9	8	2	---	5	5	2	44	21	115	117
60-64	45	---	-	37	24	27	13	10	3	3	9	3	---	10	7	8	---	6	4	2	53	29	158	135
65-69	80	---	-	43	38	28	16	8	10	2	18	2	---	10	7	4	---	6	-	5	53	36	222	144
70-74	91	---	-	52	39	38	25	20	12	6	16	3	---	12	8	7	---	5	6	4	61	37	258	184
75-79	51	---	1	51	47	35	21	19	6	5	22	7	---	13	10	10	---	5	3	2	38	41	199	188
80-84	44	---	2	39	26	11	21	18	7	4	13	5	---	6	8	4	---	3	5	5	38	43	164	138
85+	23	---	-	15	12	9	10	32	3	6	13	1	---	7	2	4	---	2	-	2	32	35	95	113
TOTAL	384	---	3	468	213	173	128	130	52	38	103	26	---	82	77	57	---	48	29	22	438	470	1,427	1,514

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

This table will be updated in November of this year on Montana's Vital Statistics web page, http://www.dphhs.mt.gov/res/vital.htm.

TABLE 34
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 1997 DIAGNOSES
CASES REPORTED AS OF AUGUST 31, 1998

COUNTY OF RESIDENCE	PRIMARY CANCER SITES																							
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	5	---	-	2	1	3	1	1	-	-	2	-	---	1	-	1	---	1	-	-	2	5	11	14
Big Horn	5	---	-	2	1	5	2	-	-	-	4	-	---	1	1	2	---	1	-	2	1	4	14	17
Blaine	5	---	-	2	1	1	1	-	3	-	-	-	---	1	-	-	---	1	-	-	3	1	13	6
Broadwater	3	---	-	4	1	2	1	-	-	-	-	-	---	1	1	1	---	-	1	-	4	1	11	9
Carbon	3	---	-	4	1	3	-	2	2	1	2	1	---	-	-	-	---	-	-	-	5	4	13	15
Carter	-	---	-	-	1	1	-	-	-	-	-	-	---	-	2	-	---	-	-	-	0	0	3	1
Cascade	48	---	-	72	22	29	7	12	5	2	14	3	---	14	10	7	---	4	2	3	53	77	161	223
Chouteau	3	---	-	7	-	-	1	2	1	1	-	-	---	2	1	-	---	-	-	-	3	4	9	16
Custer	4	---	-	10	5	2	3	1	1	-	2	-	---	2	-	-	---	-	1	-	9	4	25	19
Daniels	3	---	-	2	-	2	1	-	-	-	2	-	---	-	-	-	---	-	-	-	4	2	10	6
Dawson	-	---	1	5	2	3	-	3	-	1	3	-	---	2	2	-	---	-	-	-	6	4	14	18
Deer Lodge	5	---	-	6	5	2	3	1	2	-	-	1	---	-	-	-	---	1	-	-	4	6	19	17
Fallon	4	---	-	2	2	-	1	1	2	-	-	1	---	-	1	1	---	-	-	-	2	1	12	6
Fergus	9	---	-	11	11	5	3	8	2	2	5	-	---	2	4	2	---	1	1	1	11	8	46	40
Flathead	2	---	-	6	2	1	4	-	-	-	1	-	---	3	2	-	---	2	-	-	1	13	12	25
Gallatin	12	---	-	24	11	6	10	6	-	3	6	2	---	-	2	3	---	3	3	-	23	23	67	70
Garfield	3	---	-	-	-	-	-	1	-	-	-	-	---	-	-	-	---	-	-	-	0	0	3	1
Glacier	5	---	-	4	-	3	5	1	1	-	-	1	---	-	-	-	---	-	1	-	3	9	15	18
Golden Valley	1	---	-	1	1	-	-	-	-	-	-	-	---	-	-	1	---	-	-	-	0	0	2	2
Granite	1	---	-	-	-	-	-	1	-	-	1	-	---	1	1	-	---	1	-	-	2	2	5	5
Hill	7	---	1	8	6	7	8	2	-	1	-	3	---	5	1	-	---	1	-	1	9	7	32	35
Jefferson	5	---	-	5	5	1	2	-	-	-	1	-	---	-	1	-	---	2	-	-	5	5	19	13
Judith Basin	3	---	-	1	1	-	-	1	-	-	-	-	---	2	-	1	---	-	-	-	0	4	4	9
Lake	18	---	-	10	6	5	3	5	2	-	4	1	---	5	1	1	---	3	2	-	15	16	51	46
Lewis & Clark	30	---	1	36	15	16	7	13	2	5	6	4	---	6	8	2	---	5	-	-	33	30	102	117
Liberty	1	---	-	1	1	-	1	1	-	-	-	-	---	-	-	-	---	-	-	-	0	2	3	4
Lincoln	1	---	-	9	4	-	1	1	-	1	1	-	---	-	-	1	---	-	-	-	8	6	15	18
Madison	1	---	-	3	-	-	-	-	1	-	-	-	---	-	-	-	---	1	-	-	1	1	3	5
McCone	1	---	-	-	-	-	-	-	-	-	-	-	---	-	-	-	---	-	1	1	2	0	4	1
Meagher	-	---	-	-	2	1	-	-	-	-	-	-	---	-	-	-	---	-	-	-	0	0	1	2
Mineral	4	---	-	2	1	2	1	-	-	-	1	1	---	1	-	-	---	-	-	-	2	3	9	9
Missoula	41	---	-	81	24	21	16	14	6	6	14	1	---	10	11	9	---	3	4	2	49	59	165	206
Musselshell	3	---	-	4	2	3	-	-	1	1	-	-	---	-	1	-	---	-	-	-	3	4	10	12
Park	2	---	-	13	3	2	-	5	2	1	3	-	---	1	3	3	---	3	-	-	12	6	25	34
Petroleum	1	---	-	-	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	0	1	1	1
Phillips	7	---	-	1	2	2	1	2	1	-	1	-	---	2	-	1	---	-	-	1	2	2	14	11
Pondera	3	---	-	4	-	3	4	-	1	-	3	-	---	2	1	1	---	1	-	2	4	7	18	20
Powder River	1	---	-	1	1	-	1	-	2	-	-	-	---	-	-	-	---	1	1	-	0	0	6	2
Powell	5	---	-	4	3	-	2	1	-	1	3	-	---	2	-	1	---	-	-	2	3	5	16	16
Prairie	2	---	-	1	1	-	1	-	-	-	1	-	---	-	-	-	---	-	-	-	3	1	8	2
Ravalli	27	---	-	24	12	4	6	12	2	2	7	1	---	2	3	2	---	3	1	4	23	25	81	79
Richland	3	---	-	5	4	1	-	1	1	-	1	-	---	-	1	2	---	-	1	-	11	6	22	15
Roosevelt	4	---	-	2	1	-	1	1	-	4	-	-	---	-	1	3	---	1	-	-	7	5	14	16
Rosebud	4	---	-	1	3	-	3	1	1	-	1	-	---	-	-	-	---	-	1	-	4	3	17	5
Sanders	8	---	-	4	6	5	2	1	-	-	-	-	---	1	1	2	---	1	1	-	10	8	28	22
Sheridan	2	---	-	2	1	-	-	-	-	1	1	-	---	-	-	-	---	-	-	-	2	2	6	5
Silver Bow	14	---	-	8	8	8	5	10	-	-	1	1	---	3	-	1	---	6	-	1	21	9	49	47
Stillwater	3	---	-	4	3	-	3	-	1	-	1	1	---	-	-	-	---	-	-	-	4	2	15	7
Sweet Grass	4	---	-	2	1	-	2	1	-	-	2	-	---	-	1	-	---	-	-	-	3	0	13	3
Teton	6	---	-	7	3	2	2	2	-	-	1	3	---	1	1	-	---	-	1	-	0	4	14	19
Toole	1	---	-	1	2	5	1	-	1	-	-	1	---	-	-	-	---	-	1	-	1	4	7	11
Treasure	-	---	-	1	1	-	-	-	-	-	-	-	---	-	-	1	---	-	-	-	0	0	1	2
Valley	7	---	-	3	4	1	4	2	2	1	3	-	---	-	2	1	---	-	-	-	11	11	33	19
Wheatland	1	---	-	2	-	1	-	-	-	-	-	-	---	-	-	-	---	-	-	-	0	2	1	5
Wibaux	1	---	-	-	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	0	2	1	2
Yellowstone	42	---	-	54	22	14	7	14	7	4	5	-	---	9	13	7	---	2	6	2	54	60	156	166
TOTAL	384	---	3	468	213	173	128	130	52	38	103	26	---	82	77	57	---	48	29	22	438	470	1,427	1,514

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

This table will be updated in November of this year on Montana's Vital Statistics web page, http://www.dphhs.mt.gov/res/vital.htm

VITAL STATISTICS BUREAU

The Vital Statistics Bureau has published Montana vital statistics reports since 1954. Single copies of this publication are available without charge as long as the supply lasts. Copies of previous years' publications are available depending on supply. Some year's supplies have been exhausted; reference copies of those reports are available in the Bureau and at the Montana State Library. Photocopies of specific tables or text from any report will be supplied on request, as time permits. Inquiries should be directed to the Chief or the Research Specialist of the Vital Statistics Bureau, Montana Department of Public Health and Human Services, at the address or telephone number shown below.

As time permits, additional tabulations can be produced to satisfy individual requests. Uncomplicated tabulations can usually be produced without cost to the requester. In some cases, the requester may be asked to reimburse the bureau for production costs. Tabulations requiring extensive computer processing may require reimbursement for staff time and computer programming charges. The production of special tabulations is subject to the availability of personnel. Additional tabulations can be found on our web site: http://www.dphhs.state.mt.us/res/vital.htm.

The bureau can only honor requests for information that do not violate the confidentiality requirements of state law or regulations of the Montana Department of Public Health and Human Services. All records and information the department receives concerning individuals are confidential. However, confidentiality is not usually a concern in statistical reports or tables where individuals are not identified. Our address is:

Vital Statistics Bureau
Montana Department of Public Health and Human Services
DPHHS Building, Room 205
P. O. Box 4210
Helena, Montana 59604-4210

Telephone: (406) 444-4228
FAX: (406) 444-1803

650 copies of this public document were published at an estimated cost of $3.50 per copy, for a total cost of $2,275.00, which includes $2,275.00 for printing and $.00 for distribution.